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BIBLIOGRAPHY OF AGRICULTURE

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The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and the allied sciences received in the National Agricultural Library. Magnetic tapes supplied by the library are computer processed, using several vocabulary control mechanisms. The resulting indexes provide access to the literature in considerably less time than would be required by traditional indexing techniques.

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Phoenix, AZ 85018

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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from world wide sources. The Bibliography includes journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation and Lockheed Information Systems.

Publications are considered for indexing in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience. Articles that would not otherwise be indexed in the *Bibliography of Agriculture* might be included for USDA authored, sponsored, or published materials.

The Bibliography is now divided into ten sections: A main entry section, five main entry sub-sections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a list of Journal Titles indexed in this issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

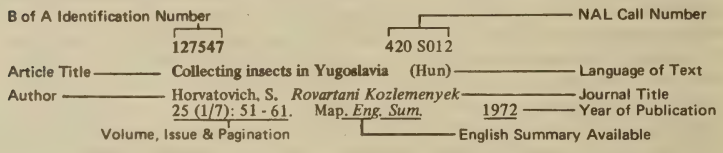
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

(Afr)	Afrikaans	(Geo)	Georgian	(Pol)	Polish
(Alb)	Albanian	(Ger)	German	(Por)	Portuguese
(Arm)	Armenian	(Gre)	Greek	(Rum)	Rumanian
(Aze)	Azerbaijani	(Heb)	Hebrew	(Rus)	Russian
(Bel)	Belorussian	(Hun)	Hungarian	(Scc)	Serbo-Croatian (Cyrillic)
(Bul)	Bulgarian	(Ice)	Icelandic	(Scr)	Serbo-Croatian (Roman)
(Bur)	Burmese	(Ind)	Indonesian	(Slo)	Slovak
(Chi)	Chinese	(Ita)	Italian	(Slv)	Slovenian
(Cze)	Czech	(Jpn)	Japanese	(Spa)	Spanish
(Dan)	Danish	(Kor)	Korean	(Swe)	Swedish
(Dut)	Dutch	(Lat)	Latin	(Tha)	Thai
(Est)	Estonian	(Lav)	Latvian	(Tur)	Turkish
(Fin)	Finnish	(Lit)	Lithuanian	(Ukr)	Ukrainian
(Fle)	Flemish	(Mac)	Macedonian		
(Fre)	French	(Nor)	Norwegian		

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

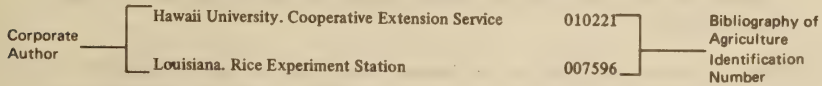
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow The Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U.S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from The Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in The Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.



AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.



SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan his search in terms of the most specific natural language term prior to searching under a scientific term. However, note that the vocabulary is an open ended one and new terms are added each month. Undoubtedly readers will be more keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 25,000 terms. The file is organized so that in most cases synonymous terms are grouped together under a single subject heading. Thus singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based, appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in bold face type. The alphabetic sequence is by the secondary (bold face) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

CHEESES

Production and sale of *Gorgonzola* **cheese** [Prices, trade, productive capacity]. 227693

The **cheese** *industry*. 227819

Information for the consumer and advertising abroad of typical *Italian* **cheeses** [Prices]. 227689

Not enough to produce—Sale of *Italian* **cheeses** urgency of modern forms and efficient structures [Prices, trade].

Many general terms were deleted from the control vocabulary in 1975, and work is underway on the establishment of a more complete list of specific terms. Each subsequent issue will reflect this work. The *Thesaurus of Agricultural Terms*, published in 1976, reflects all the changes made in the control vocabulary through December 1975.

The last item of each entry in the Subject Index is the six digit *Bibliography of Agriculture* identification number. Use this number to locate the complete main entry citation in the monthly issues.

AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

Microfilms:	$1.00 for each 30 pages or fraction copied from a single article or book
Electrostatic Copies:	$2.00 for each 10 pages or fraction copied from a single article or book.

Payment must accompany the order. Cash, library coupons, check, or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Library coupons, valued at $1.00 each, may be purchased in any quantity from the Library's Photocopying Service.

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

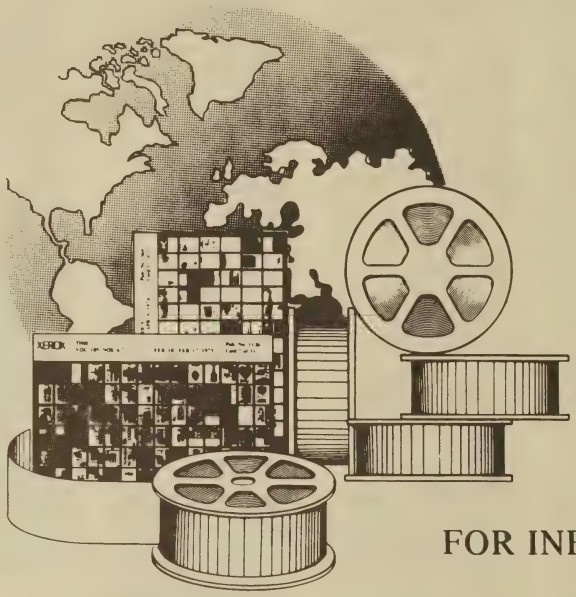
A E Ext N Y State Coll Agric Life Sci Dep Agric Econ
A E Ill Univ Dep Agric Econ
A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State COll Agric Life Sci
Abeille Fr Apicul
Abelhas
ACE Am Assoc Agric Coll Ed
ACS Symp Ser (Amer Chem Soc)
Act Rep Res Dev Assoc
Acta Agric Scand
Acta Agron (Budap)
Acta Bot Neerl
Acta Chem Scand Ser B Org Chem Biochem
Acta Crystallogr Sect B Struct Crystallogr Cryst Chem
Acta Endocrinol
Acta Entomol Bohemoslov
Acta Entomol Fenn
Acta Hortic
Acta Hydrobiol
Acta Med Vet
Acta Pathol Microbiol Scand, Sect A Pathol
Acta Pathol Microbiol Scand, Sect B Microbiol
Acta Pathol Microbiol Scand, Sect C Immunol
Acta Pathol Microbiol Scand Suppl, Sect A And Or Sect B
Acta Physiol Scand
Acta Soc Fauna Flora Fenn
Acta Technol Agric
Acta Vet (Budap)
Acta Zool (Budap)
Acta Zool Fenn
Acta Zool Sin
Acta Zootech
Actual Econ
ADAS Q Rev G B Agric Dev Advis Serv
Adv Exp Med Biol
Adv Mod Toxicol
Advis Leafl G B Minist Agric Fish Food
AERR Ill Univ Dep Agric Econ
Afinidad
Afrikanerbees J
AG Econ Rep Fla Agric Exp Stn Gainesville
Ag Impact
AG N C State Univ Agric Ext Serv
Agric Adm
Agric Agroind J
Agric Aviat
Agric Biol Chem
Agric Econ Rep Dep Agric Econ Mich State Univ
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Educ
Agric Eng (St Joseph, Mich)
Agric Gaz N S W
Agric Handb U S Dep Agric
Agric Los Bands
Agric North Irel
Agric Res Rev
Agric Situat India India Dir Econ Stat
Agric Technol
Agrichem Age
Agrochimica
Agro-Ecosystems (Amsterdam)
Agrologist
Agron J
Agrow-Marketer
Aktuel Lantbrukshogsk (Upps)
Ala For Prod
All Gazdasag
Allattani Kozl
Am Agric Rural N Y N Engl
Am Bee J
Am Farriers J
Am Hortic
Am J Enol Vitic
Am J Obstet Gynecol
Am J Vet Res
Am Midl Nat
Am Nat
Am Nurserym
Am Orchid Soc Bull
Am Potato J
Am Rabbit J
Am Sci
Am Veg Grow
Am Wine Soc J
An Col Of Vet Prov
An Quim Soc Esp Fis Quim
Anat Rec
Ann Agric Sci (Moshtohor)
Ann Assoc Am Geogr
Ann Entomol Soc Am
Ann Gembloux
Ann Genet Sel Anim
Ann Hydrobiol
Ann Pharm Fr
Ann Rech Vet
Ann S Afr Mus
Ann Trop Med Parasitol
Annot Bibliogr Commonw Bur Soils (Harpenden)
Annu Feed Day Rep Alberta Univ Dep Anim Sci
Annu Rev Phytopathol
Anthropods Fla Neighboring Land Areas Fla Dep Agric Div Plant Ind
Anu Soc Broter
APE, Riv Svizz Apic
Apic Rom
APPITA (Aust Pulp Pap Ind Tech Assoc)
Appl Biol
Applied Environ Microbiol
AR Agric Rec
Arable Farming
Arbor Bull Arbor Found Seattle
Arboric Fruit
Arch Anat Histol Embryol
Arch Biochem Biophys
Arch Environ Health
Arch Int Physiol Biochem
Arch Microbiol
Arch Vet Ital
Arch Virol
Arch Zool Exp Gen
ARDC News Agric Refinance Dev Corp
Ariz Cattle Grow Outlook
Arkansas Cattle Bus
Arskr Nor Planteskol
ARS-NE U S Agric Res Serv Northeast Reg
ARS-S U S Agric Res Serv South Reg
ARS-W U S Agric Res Serv West Reg
Atherosclerosis
Audubon
Aust Dried Fruit News
Aust Entomol Mag
Aust For Ind J
Aust J Agric Res
Aust J Bot
Aust J Chem
Aust J Dairy Technol
Aust J Ecol
Aust J Exp Agric Anim Husb
Aust J Soil Res
Aust Nat Hist
Aust Orchid Rev
Aust Parks Recreat
Aust Plant Introd Rev
Aust Plants
Aust Vet Pract
Aust Wildl Res
Australas Beekeep
Av Aliment Mejora Anim
B Nev Agric Exp Stn
Bacteriol Rev
Bakers Dig
Bangladesh Dev Stud
Baromfitenyesztes Feldolgozas
Beefmaster
Begonian
Behav Genet
Behaviour
Beitr Naturkd Forsch Sudwestdtschl
Belg Apic
Belle Glade AREC Res Rep EV Univ Fla (Agric Res Educ Cent)
Beret Statens Husdyrbrugsfors
Bergland, Bob Selmer (Addresses, Statements, Etc.)
BF Butter-Fat Mag
Biatas, The Tillage Farmer
Bibl Sel'sk Profsoiuznogo Akt
Bibliogr Ser Inst Pap Chem
Biene
Bienenpflege
Bienenvater
Bienenwelt
Big Farm Manage
Biochem Biophys Res Commun
Biochem J
Biochemistry (Easton)
Biochim Biophys Acta
Biochimie
Bioinorg Chem
Biol Bull
Biol Bull Dep Biol Coll Sci Tunghai Univ
Biol Cell
Biol Conserv
Biol Moria
Biol Notes Ill Nat Hist Surv
Biol Vnutr Vod
Biometrics
Bioorg Khim
Biophys Struct Mech
BioScience Am Inst Biol Sci
Biotechnol Bioeng
Bitki Koruma Bul
Biul Inst Ziemniaka
Biull Moskovsk O-va Ispyt Prir Otd Biol
Biull Vses Inst Rastenievod
Bol Cent Panam Fiebre Aftosa
Bol Eng Ed Pan Am Sanit Bur
Bol Tech Cent Nac Invest Cafe Chinchina Colomb
Boll Soc Ital Biol Sper
Boll Soc Nat Napoli
Boll Zool Agrar Bachic
Bonplandia
Bonsai J
Bot Gaz
Bot Mar
Bot Monogr
Br Farmer Stockbreed
Br Food J
Br J Nutr
Br J Pharmacol
Brew Dig
Brew Guardian
Broil Ind
Bryophytorum Bibl
Buckeye Triune
Bull A Ariz Univ Ext Serv
Bull A N S W Dep Agric
Bull A S P S (Afr Suc Plant Soc)
Bull Acad Pol Sci, Ser Sci Biol
Bull Agric Exp Stn Auburn Univ
Bull Agric Exp Stn Div Agric Univ Arkansas
Bull Agric Exp Stn Univ Del
Bull B Okla Agric Exp Stn
Bull Br Mus Nat Hist Bot
Bull Brew Sci
Bull Calif Dep Water Resour
Bull Calif Water Pollut Contr Assoc
Bull Cl Sci, 5e Ser Acad R Belg
Bull Com Forets
Bull Conn Agric Exp Stn New Haven
Bull Coop Ext Serv Univ Ga Coll Agric
Bull Entomol Soc Am
Bull Environ Contam Toxicol
Bull Fac Agric Mie Univ Tsu Jap
Bull Fac Agric Univ Miyazaki
Bull Fla Agric Exp Stn
Bull G B Minist Agric Fish Food
Bull Ill Coop Crop Rep Serv
Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)
Bull Inst Chem Acad Sin
Bull Inst Int Stat
Bull Inst Meat
Bull Inst Tech Porc
Bull Inst Tropen Afd Agrar Onderz
Bull La Agric Exp Stn Dep Agron
Bull Lincoln Coll Christchurch N Z Dep Hortic
Bull Md Herpetol Soc
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Bull Mus Natl Hist Nat Ser 3 Bot
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Bull Mus Natl Hist Nat Ser 3 Zool
Bull N M Agric Exp Stn
Bull Natl Sci Mus Ser A Zool Kokuritsu Kagaku Hakubutsukan
Bull Natl Sci Mus Ser B Bot Kokuritsu Kagaku Hakubutsukan
Bull Pac Trop Bot Gard
Bull Soc Chim Belg
Bull Soc Hist Nat Toulouse
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Bull Torrey Bot Club
Bull Va Water Resour Res Cent Va Polytech Inst State Univ
Bull Victoria Aust For Comm
Bull Wash State Univ Coll Agric Res Cent
Bull West Va Agric For Exp Stn
Bull Wyo Univ Agric Ext Serv
Bull Zool Nomencl
Cac Suc J G B
Cajanus
Calcif Tissue Res
Calif Ariz Cotton
Calif Farmer (Cent Ed)
Calif Vet
Camellia J
Camellia Rev
Can Agric
Can Agric Eng
Can Beekeep
Can Farm Econ
Can J Agric Econ
Can J Zool
Can Wool Grow Sheep Breed
Cancer Treat Rep
Cane Grow Bull
Cane Grow Q Bull Queensl Bur Sugar Exp Stn
Canopy
Carabologia
Carbohydr Res
Carol Camellias
Cattle
Cattle Guard
Cattleman
CCB Rev Choc Confect Bakery
CEAS Rep Wye Coll Cent Eur Agric Stud
Cell Biol Int Rep
Cell Differ
Cell Tissue Res
Cellul Carta
Cenicafe
Ceres
Chem Age India
Chem Ber Ges Dtsch Chem
Chem Biol Interactions
Chem Eng (Lond)
Chem Lett
Chem N Z
Chem Pharm Bull
Chem Phys Lipids
Chesapeake Sci
Christmas Trees
Chromatographia
Chron Hortic
Circ Ill Geol Surv
Circ Ill Univ Coop Ext Serv
Circ Inf Oreg Agric Exp Stn
Circ La Agric Exp Stn
Circ S C Agric Exp Stn
Circ S Fla Agric Exp Stn
Citrograph
Clays & Clay Miner
Clin Exp Immunol
Clin Vet
Coconut Bull
Collect Czech Chem Commun
Comm Bull N S W Dep Agric Div Mark Econ
Commonw For Rev
Commun Soil Sci Plant Anal
Comp Biochem & Physiol C, Comp Pharmacol
Comp Physiol Ecol
Compost Sci
Connaiss Vigne Vin
Connect Tissue Res
Consultant
Contrib Biol Geol
Control Ser Va Polytech Inst State Univ Ext Div Coop Ext Serv
Cornell Vet
Cotton Wool Situat CWS U.S. Dep Agric Econ Res Serv Comm Econ Div
Countryside
Cranberries
Crops Soils

Cry Calif
Cryobiology
Ctry Life
Cult Dairy Prod J
Curr Inf Rep For Serv U S Dep Agric
Curr Inf Ser Idaho Univ Coop Ext Serv
Cytologia
Dairy Farmer Dairy Beef Prod
Dairy Technol
Dairy Top
Dan Pelsdyravl
Dan Veterinaertidsskr
Decheniana Beih
Delt Hellen Kteniatr Hetair
Dev Biol
Dev Biol Stand
Dev Grow Differ
Dig Int J Gastroenterol
Div Rep C S I R O Div Soils
Doc Cartogr Ecol
Dohanyipar
Dokl Akad Nauk Az SSR
Dokl Akad Nauk BSSR
Dokl Akad Nauk SSSR
Dokl Akad Nauk Tadzh SSR
Dossier K2O
Down Earth
Drain Contract
DVM (Chicago)
Ecol Entomol
Ecol Food Nutr
Ecol Model
Ecol Monogr
Ecol Res Ser
Ecologist
Ecology (Durham)
Econ Inf Rep Fla Univ Food Resour Econ Dep
Econ Med Anim
Edesipar
Educ Chem
Ekistics
Ekol Pol
Ekon Sov Ukr
EL Arkansas Univ Coop Ext Serv
Elelmiszerviz Kozl
EM Coop Ext Serv Coll Agric Wash State Univ
Endeavour
Endocr Res Commun
Endocrinology
Endokrinologie
Entomol Ber (Amsterdam)
Entomol Gaz
Entomol Mon Mag
Entomol Probl
Entomol Rec J Var
Entomol Scand
Entomophaga
Environ Behav
Environ Geol
Environ Manage
Environ Policy & Law
Environ Pollut
Environ Prot Technol Ser EPA
Environ Sci Tech
Enzyme
Equip Dev Test Rep U S Dep Agric For Serv Equip Dev Cent (Calif)
Equip Tips
ERFA (Erdogazdasag Faipar)
ESC U S Fed Ext Ser
Etud CNEEMA Cent Natl Etud Exp Mach Agric
Eur J Appl Microbiol
Eur J Biochem
Eur J Pharmacol
Eur Rev Agric Econ
Exp Cell Res
Exp Mol Pathol
Exp Mycol
Exp Parasitol
Experientiae
Ext Bull Agric Ext Serv Univ Minn
Ext Bull Md Univ Coop Ext Serv
Ext Bull Mich State Univ Coop Ext Serv
Ext Bull Univ West Indies St Augustine Trinidad Dep Agric Ext
Ext Bull Wash State Univ Coop Ext Serv
Ext Circ Oreg State Univ Ext Serv
Ext Fol Agric Ext Serv Univ Minn
F. O. Licht's Int Sugar Rep
F S S D State Univ Coop Ext Serv
Fact Sheet Coop Ext Serv Univ Md
Fact Sheet Oreg State Univ Ext Serv
Farm Build News
Farm Econ (Pa State Univ)
Farm Ed Sci
Farm Fact
Farm Food Res
Farm Manage Rev
Farm Policy
Farm Profit
Farmer Coop U S Farmer Coop Serv
Farmer Parliament
Farmers Bull U S Dep Agric
Farming Zambia
Farmstock
FAS-M U S Foreign Agric Serv
Faune Madagascar
FCS Inf
FCS Res Rep Farmer Coop Serv U S Dep Agric
FCS Spec Rep U. S. Farmer Coop Serv
FDA By-Line Food Drug Adm
Feddes Repert
Feed Ind Rev
Feedlot Manage
Feedstuffs
Feld Wald
Feld Wald Wasser Schweiz Jagdztg
Feline Pract
Fert Mark News
Fert Prog
Fert Trends
FIBRA
Field Notes U S For Serv
Fiji Agric J
Financ Dev
Finn Chem Lett
Flora Morphol Geobot Oekophysiol
Florists Rev
Flower And Gard West Ed
Fluoride
Folia For
Folia For Polon, Ser A Lesn
Folia Microbiol
Food Chem
Food Cosmet Toxicol
Food Eng
Food Farming Agric
Food Ind S Afr
Food Manuf
Food Nutr Notes Rev Aust Dep Health
Food Nutr (Rome)
Food Policy (Sussex)
Food Prod Dev
Food Prod/Manage
Food Technol Aust
Food Technol N Z
For Chron
For Indus Rev
For Manage Bull
For Occas Pap Food Agric Organ U N
For Prod J
For Prod Util Tech Rep U S For Serv Coop For Div
For Res What's New West
For Sci
For Serv Tech Rep SO U S South For Exp Stn
For Tech Note East Afr Agric For Res Organ
Foreign Agric Circ FOP U S Foreign Agric Serv
Foreign Agric Circ Fresh Process Citrus Fruits FCF U S Foreign Agric Serv
Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv
Foreign Agric Circ Sugar FS U S Foreign Agric Serv
Foreign Agric Circ Tob FT U S Foreign Agric Serv
Foreign Agric Circ Tree Nuts FN U S Foreign Agric Serv
Foreign Agric Circ Wool FW U S Foreign Agric Serv
Foreign Agric Trade U S Dep Agric Econ Res Serv
Foreign Agric U S Foreign Agric Serv
Forschungsber Inst Zuckerind Versuchsanst Zuckertechnol
Forsk Prakt
Fortschr Acker Pflanz Adv Agron Crop Sci
Fresenius Z Anal Chem
Fruits
Fruits & Abeilles
G Allevatori
Ga Vet
Gac Vet
Garden
Gart Kleintierzucht, C Imker
Gartneryrket
Gazdalkodas
GC HTJ
Gen & Comp Endocrinol
Gen Tech Rep PSW Pac Southwest For Range Exp Stn USDA For Serv
Genet Res
Genetics
Geochim Cosmochim Acta
Geoderma
Geogr Glas
Geogr Rev
Geomorfologiia
Gestenc Meded Landbouwhogesch Afd Landbouplant Graslandcult
Godsling Inst Skogsforbattring
Gorteria
Gradinar Lozar Nauka
Grain Farm Serv Cent
Grain Prod News
Grapevine Calif Univ Berkeley Agric Ext Serv
Grasas Aceites
Great Basin Nat
Greenhouse
Grounds Maint
Growth & Change
Grune
Gujarat Agric Univ Res J
Gyumolcstermesztes
Half Yrly Regist Timber Log Salvage License Cut Marks
Hereditas
Hidrol Kozl
Histochem J
Histochemistry
Hoards Dairym
Holly Lett
Home Econ Res J
Home Gard Bull U S Dep Agric
Hoppe Seylers Z Physiol Chem
Horiz Biochem Biophys
Horm & Behav
Hortic Dig
Hortic Ind
Hortsci
Hunter Nat Hist
Husipar
Hutoipar
Hyacinth Control J
Hybrid
Hydrobiol Bull
Hydrol Pap Colo State Univ
Idesia
Ikon Selskoto Stop
Imkerfreund
Immunochemistry
Immunogenetics
Immunology
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In Trees and Forests for Human Settlements; Proceedings of Symposia
In Vitro J Tissue Cult Assoc
Ind Aliment Agric
Ind Saccarif Ital
Ind Water Eng
Indian Cof
Indian Drugs
Indian Farming
Indian Food Pack
Indian For
Indian J Agric Econ
Indian J Agric Sci
Indian J Anim Sci
Indian J Exp Biol
Indian J Farm Sci
Indian J Med Res
Indian J Mycol Plant Pathol
Indian J Nutr Diet
Indian Phytopathol
Indian Poult Rev
Indian Pulp Pap
Indian Sugar
Inf Agric (Luxemb)
Inf Rep FMR-X For Manage Inst Ottawa
Inf Semest Inst Geogr Nac
Inf Ser Bull N Z Dep Sci Ind Res
Inf Sheet Coop Ext Serv Miss State Univ
Infect Immun
Insect Biochem
Insect Pest Surv Tasmania Dep Agric
Insecta Matsumurana
Insp Rep Purdue Univ Agric Exp Stn
Int Biodeterior Bull
Int Camellia Soc J
Int Flavours Food Addit
Int J Environ Stud
Int J Parasitol
Int J Radiat Biol Relat Stud Phys Chem Med
Int J Syst Bacteriol
Int J Zoonoses
Int Labor Rev
Int Pest Control
Int Rev Biochem
Int Rev Gesamten Hydrobiol
Inten Agric
Invest Agropecu Peru
Ir Vet J
Iraqi J Agric Sci
IRRI Res Pap Ser Int Rice Res Inst
Irrig Farmer
Istanbul Univ Orman Fak Derg
Ital J Biochem
ITC J (Int Inst Aerial Surv Earth Sci)
Izv Akad Nauk Turkm SSR, Ser Biol Nauk
Izv Vyssh Uchebn Zaved Tekhnol Tekst Prom-sti
J Agric Food Chem
J Agric (Melb)
J Agric Sci (Camb)
J Agric Soc Trinidad Tobago
J Air Pollut Control Assoc
J Ala Acad Sci
J Am Assoc Teach Educ Agric
J Am Chem Soc
J Am Leather Chem Assoc
J Am Soc Hortic Sci
J Am Vet Med Assoc
J Anat
J Arachnol
J Arboric
J Assoc Off Anal Chem
J Atmos Sci
J Aust Inst Agric Sci
J Biogeogr
J Biol Chem
J Br Grassl Soc
J Cell Physiol
J Cell Sci
J Chromatogr
J Chromatogr Sci
J Clin Invest
J Clin Microbiol
J Coffee Res
J Comp Physiol
J Comp Physiol Psychol
J Diet Assoc Victoria
J Econ Hist
J Embryol Exp Morphol
J Endocrinol
J Environ Econ Manage
J Environ Manage
J Environ Sci
J Environ Sci Health Part A Environ Sci Eng
J Environ Sci Health Part B Pestic Food Contam Agric Wastes
J Exp Bot
J Exp Zool
J Ext
J Fish Res Board Can
J Flour Anim Feed Milling
J Food Process Eng
J Food Process Preserv
J Food Prot
J Food Sci Tech
J Gen Appl Microbiol
J Gen Microbiol
J Gen Physiol
J Gen Virol
J Histochem Cytochem
J Home Econ
J Hydrol
J Hyg
J Indian Chem Soc
J Interdis Cycle Res
J Lipid Res
J Maharashtra Agric Univ
J Microsc (Lond)
J Minn Acad Sci
J Mod Afr Stud
J Mol Biol
J Mol Catal
J Morphol
J N Y Entomol Soc
J N Z Diet Assoc
J Nat Hist
J Nucl Agric Biol
J Nutr
J Org Chem
J Peasant Stud
J Pharm Soc Jap
J Physiol
J Physiol (Paris)
J Polym Sci Polym Symp
J Proc Inst Agric Eng (Lond)
J Proc R Soc N S W
J R Soc N Z
J Reprod Fertil
J Res Haryana Agric Univ
J Rural Econ Dev
J S Afr Bot
J Sci Food Agric
J Sci Ind Res
J Small Anim Pract
J Soil Sci
J Soil Sci Soc Am
J Steroid Biochem
J Supramolecular Struct
J Tenn Acad Sci
J Text Inst
J Therm Biol
J Toxicol Environ Health
J Trop Med Hyg
J Ultrastruct Res
J Virol
J Water Pollut Control Fed
Jap J Microbiol
Jarmuvek, Mezogazd Gepek
Jojoba Happenings
Justus Liebigs Ann Chem
Kartofel' Ovoshchi
Kew Bull
Khim-Farm Zh
Kholod Tekh
Kistenyesztok Lapja
Kormoproizvod Sb Nauchn Rab
Lab Anim
Lab Pract
Lambillionea
Land Econ
Landscape Ind
Landscape Plann
Landwirtsch Forsch
Lantbrukshogsk Medd, B (Upps)
Lantbrukshogsk Medd, Ser A
Latte
Lawn Gard Mark
Leafl Coop Ext Serv Coll Agric Environ Sci Rutgers Univ State Univ N J
Leafl Coop Ext Serv Univ Ga Coll Agric
Leafl Pa State Univ Ext Serv
Leafl U S Dep Agric
Leiden Bot Ser
Lesovedenie
Life Sci
Light Gard
List Avail Publ U S Dep Agric
Livest Advis
Livest Breed J
Livest Farming
Livest Int
Lloydia
LSU For Notes
Maataloushallituken Tied Finl Lantbruksstyr
Maelkeritidende
Magy Allatorv Lapja
Malay For
Malays Agric Res
Mar Biol
Mark Res Rep U S Dep Agric
Math Biosci
Meat Process
Meat Sci
Mech Ageing Dev
Medd Landokon Driftsbur (Kobenh)
Medd Statens Planteavlsforsog
Meded Landbouw-Econ Inst
Meded Landbouwhogesch Wageningen
Melb Notes Agric Ext
Meld Landbruksteknisk Inst
Mem Ist Ital Idrobiol
Mem Que (Prov) Dep Lands For Res Serv
Memo Tec Mex Dir Gen Dist Riego
Metab Clin Exp
Meteorol Gidrol
Mezogazd Tech
Mezogazd Vilagirodalom
Mich Nat Resour
Microbiol Immunol
Microbiol Ser
Mikrofauna Meeresbodens
Milk Ind
Milling Feed Fert
Mimeogr Rep Syd Univ Dep Agric Econ
Misc Publ Hawaii Univ Coop Ext Serv
Misc Publ Md Agric Exp Stn
Misc Publ U S Dep Agric
Misc Rep Minn Agric Exp Stn
Mod Sawmill Tech Proc Sawmill Clin
Mod Vet Pract
Mol Biol Rep
Mol Cell Biochem

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

Mol Gen Genet (MGG)
Mol Pharmacol
Mon Notes Exotic Collect
Mondo Latte
Mosq News
Mosq Syst
MP Nebr Agric Exp Stn
Mt Grow
Mushroom J
Mutat Res
Mycopathologia
N D Res Rep
N Z J Agric
N Z Vet J
Na Okika O Hawaii (Hawaii Orchid J)
Nat Malays
Nat Resour Forum
Natl Food Situat NFS U S Dep Agric Econ Res Serv
Naturalist
Nature
Nematologica
Neth J Agric Sci
Neue Bienenzucht
New Sci (London)
News Timber Res
NIBS Bull Biol Res
Niger Field
Niger J Sci
Nord Hydrol
Nord Lantbruksekon Tidskr
Nord Mejeritidsskr
North Am Pomona
North Cent Reg Res Publ
North Log Timber Process
North Victorian Fruitgrower
Northwest Lumberman
Northwest Sci
Norw J Bot
Note Tech Cent Tech Genie Rural Eaux Forets
Notes I E A (Inst Econ Agric Brux)
Nov Zhizni Nauke Tekh Ser Biol
Nucleic Acids Res
Nutr Food Sci
Nutr Metab
Nutr Rep Int
Nutr Rev
Nutzpflanzen Trop Subtrop
Occas Pap Mus Zool Univ Mich
Oecologia
Ohio Swine Day
Oikos
Oils Oilseeds J
Okla Curr Farm Econ
Onderstepoort J Vet Res
Orchid Advocate
Orchid Dig
Org Gard Farming
Org Mass Spectrom
Ornamentals Northwest
Orquideologia
Osteuropa
Outlook Wash United Fresh Fruit Veg Assoc
Overz Landbouw Econ Inst
PA U S Dep Agric
PAA Ky Univ Coop Ext Serv
Pac Discov
Pac Hortic
PAG Bull Protein-Calorie Advis Group U N Syst
Pan Pac Entomol
PANS Pest Artic News Summ
Pap Puu
Parks
PB U S Natl Tech Inf Serv
Pchelarstvo
PCT Pest Control Technol
Peanut Farmer
Peanut J Nut World
Pecan South
Pedologie
Perfum Flavorist
Pestic Monit J
Pesticides
Pharmacology
Philipp J Nutr
Philos Trans R Soc Lond, Ser B Biol Sci
Phospho Potas
Photochem Photobiol
Phycologia
Physiol Entomol
Phytochemistry
Phytologia
Phytomorphology
Phytopathology
Pig Farmer
Pig Farming
Plant Chron
Plant Dis Adv Treatise
Plant Dis Rep
Planta
PM Iowa State Univ Sci Technol Ames Coop Ext Serv
Pol Pismo Entomol
Pollut Eng
Polymer
Pork Ind Gaz
Poult Advis
Poult Egg Situat PES U S Dep Agric Econ Res Serv
Poult Guide
Poult Ind
Poult News
Poult Notes N S W Dep Agric
Poult Sci
Power Farming
Pr Stud Vysk Vodn Hospod
Principes
Priroda (Mosk)
Proc Am Congr Surv Mapp Fall Conv
Proc Annu Md Sod Conf
Proc Annu Meet North Cent Weed Control Conf
Proc Calif Acad Sci
Proc Gulf Caribb Fish Inst
Proc Helminthol Soc Wash
Proc Indian Acad Sci, Sec A
Proc Indian Acad Sci, Sec B
Proc Inst Food Sci Technol (U K)
Proc Iowa Acad Sci
Proc Linnean Soc N S W
Proc Membership Roster Annu Meet Nut Grow Soc Oreg Wash B C
Proc Natl Acad Sci U S A
Proc Northwest Wood Prod Clin
Proc R Soc Lond, B Biol Sci
Proc Soc Am For
Proc Soc Exp Biol Med
Proc Trans Br Entomol Nat Hist Soc
Proc West Sect Am Soc Anim Sci
Process Biochem
Prod R D
Prod Res Rep Agric Res Serv U S Dep Agric
Prod Veg Cereale Plante Teh
Prof Pap U S Geol Surv
Prog Chem Fats Other Lipids
Prog Farmer (Birmingham)
Prog Food Nutr Sci
Prog Nucleic Acid Res Mol Biol
Prog Rep Pa Agric Exp Stn
Prostaglandins (Los Altos)
Protoplasma
Psyche
Publ Can Dep Agric
Publ Coop Ext Programs Univ Wis Ext
Publ Econ Branch Can Dep Agric
Publ Int Inst Land Reclam Improv
Publ P R Agric Exp Agric
Publ 2 Landbouw-Econ Inst Afd Struct
Publ 4 Landbouw-Econ Inst Afd Tuinbouw
Pulp & Pap Can
Pure Appl Chem
Q Bull Assoc Food Drug Off
Q J Crude Drug Res
Queensl Agric J
Radiat Res
Radiobiology
Rapp Annu Assoc Foret Cellul
Rapp Annu Assoc Ration Mec Exploit For
Rapp Inf LAU-X Laurentian For Res Cent Que Reg
Rapp Inst Arbetsmetodik Tek Lantbrukshogsk Upps
Rapp Inst Bodemvruchtbaar
Rapp Inst Virkeslara Skogshogsk (Stockh)
Rapp Uppstats Inst Skogsprod Skogshogsk (Stockh)
Relat Cient Esc Super Agric Luiz Queiroz Dep Inst Genet
Remote Sens Environ
Rep Dep Agric Econ Univ Ariz
Rep Gleadthorpe Exp Husb Farm
Rep Ser Arkansas Agric Exp Stn
Rep Univ N S W Water Res Lab
Res Bull For Res Lab Sch For Oreg State Univ
Res Bull Hawaii Agric Exp Stn
Res Bull Hokkaido Natl Agric Exp Stn
Res Bull Mass Agric Exp Stn
Res Bull Purdue Univ Agric Exp Stn
Res Note For Comm N S W
Res Note INT U S Dep Agric For Serv Intermt For Range Exp Stn
Res Rep Ga Exp Stn
Res Rep Giannini Found Agric Econ
Res Rep Hawaii Agric Exp Stn
Res Rep Mont Agric Exp Stn Mont State Univ
Res Rep N H Agric Exp Stn
Res Rep N M Agric Exp Stn
Res Rep Ser New Ser Bangladesh Inst Dev Stud
Res Rep Univ Ga (Athens)
Resour Bull SO South For Exp Stn For Serv U S Dep Agric
Resour Recovery Conserv
Resour Rep Fla Univ Coop Ext Serv
Respir Physiol
Rev Belg Vins Spiritueux
Rev Cent Cienc Rurais
Rev Ecol Biol Sol
Rev ESSO Agric
Rev Etud Coop
Rev Fac Agron Univ Fed Rio Grande Sul Braz
Rev Lait Fr
Rev Palaeobot Palynol
Rev Port Cienc Vet
Rev Roum Biochim
Rev Soc Bras Zootec
Rev Tussock Grassl Mt Lands Inst
Rev UFA (Union Fed Coop Agric Suisses)
Rhod Agric J
Rhod Vet J
Rhodora
Rice J
Riv Agric Subtrop Trop
Riv Econ Agrar
Riv Ital Sost Grasse
Riv Ortofrutt Ital
Riv Patol Veg
Rocz Nauk Roln, Ser E, Ochr Rosl
Rovartani Kozl Folia Entomol Hung Ser Nova
RTVA
Runcina Calif Univ Berkeley Coop Ext Serv
S Afr J Sci
Saline Water Convers Res Rep Calif Univ Berkeley Resour Cent
Samaru Agric Newsl
Samml Tierseuchenrechtlicher Vorschr
Sante Abeille
Scand J Immunol
Sch Foodserv J
Schrift Veg
Schriftenr Agrarsoziologie Agrarrecht Osterreichisches Inst AGrarsoziologie Agrarrecht
Schriftenr Flurbereinig
Schweiz Arch Tierheilkd
Schweiz Bienen-Zeitung
Schweiz Landwirtsch Monatsh
Sci Am
Sci Biol J
Sci Rep Fac Agric Ibaraki Univ
Sci Rep Kyoto Prefect Univ Agric
Sci Tec Latt Casearia
Science
Scott For
Search
Sellowia
Selskostop Nauka
Ser Conf Cursos Reun Interam Inst Agric Sci
Serv Rep U S Farmer Coop Serv
Shin Pin Kung Yeh Food Ind
Short Term Leafl Minist Agric Fish Food (Middlesex)
Soil Assoc
Soil Biol Biochem
Soil Sci
Somatic Cell Genet
Soripar
South Afr Bee J
South Coop Ser Bull
South Econ Rev
South Pac Bull
Southwest Entomol
Southwest Nat
Sov Plant Physiol
Sov Torg
Soybean Dig
Span
Spec Bull Dep Agric Fish South Aust
Spec Circ Pa State Univ Ext Serv
Spec Publ Agric Res Organ Volcani Cent Div Sci Publ
Spec Rep Mo Agric Exp Stn
Stat Bull U S Dep Agric
Stensiltr Inst Bygningstek Nor Landbrukshogsk
Steroids
Stn Bull Agric Exp Stn Univ Minn
Stn Bull Oreg Agric Exp Stn
Stud Fauna Curacao Other Caribb Isl
Stuttg Ber Siedlungswasserwirtsch
Sugar Bull
Sugar J
Sugarbeet Grow
Sven Frotidn
Sven Vet Tidn
Sydowia
Syllogeus
TAG (Theor Appl Genet)
Tappi (Tech Assoc Pulp Paper Ind)
Tasman J Agric Tasman Dep Agric
Tech Bull Agric Exp Stn Univ Minn
Tech Bull Oreg Agric Exp Stn
Tech Bull U S Dep Agric
Tech Pap For Comm N S W
Tech Publ N S W For Comm Div Wood Technol
Tech Rep Univ Md Water Resour Res Cent
Tech Rep Water Resour Res Cent Univ Hawaii
Tehnol Mesa
Telma
Tetrahedron
Tetrahedron Lett
Text Res J
Theriogenology
Tidsskr Biavl
Timber Grow
Tob Int
Tohoku J Agric Res
Toxicol Appl Pharmacol
Toxicol Lett
Toxicon
Tr Akad Nauk SSSR Inst Biol Vnutr Vod
Tr Latv Lauksaimn Akad
Tr Prikl Bot Genet Sel
Trans Am Fish Soc
Trans Ill State Hortic Soc
Trans Ky Acad Sci
Trans R Soc South Aust
Trans R Soc Trop Med Hyg
Trans Tech Sec Can Pulp Pap Assoc
Treatise Dinitrogen Fixation
Trends Biochem Sci
Trop For Pap
Trop Geogr Med
TSitologiia
Turf Bull
U S Agric Res Serv (Reprints of articles by ARS employees)
U S D A For Serv Gen Tech Rep I N T U S Intermt For Range Exp Stn
U S D A For Serv Res Note PSW U S Pac Southwest For Range Exp Stn
U S For Serv (Reprints of articles by FS employees)
Uch Agron Ross
Undergrond Space
Unders Landokonom Driftsbur
USDA For Serv Gen Tech Rep NC North Cent For Exp Stn
USDA For Serv Gen Tech Rep NE U S Northeast For Exp Stn
USDA For Serv Gen Tech Rep PNW Pac Northwest For Range Exp Stn
USDA For Serv Gen Tech Rep SE U S Southeast For Exp Stn
USDA For Serv Res Note FPL U S For Prod Lab
USDA For Serv Res Note PNW U S Pac Northwest For Range Exp Stn
USDA For Serv Res Note RM U S Rocky Mt For Range Exp Stn
USDA For Serv Res Note SE U S Southeast For Exp Stn
USDA For Serv Res Note SO U S South For Exp Stn
USDA For Serv Res Pap INT U S Intermt For Range Exp Stn
USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)
USDA For Serv Res Pap NE (U S Northeast For Exp Stn)
USDA For Serv Res Pap PNW U S Pac Northwest For Range Exp Stn
USDA For Serv Res Pap RM U S Rocky Mt For Range Exp Stn
USDA For Serv Res Pap SE U S Southeast For Exp Stn
USDA For Serv Resour Bull PSW Pac Southwest For Range Exp Stn
USGA Green Sect Rec (U S Golf Assoc)
Usp Sovrem Biol
Uzb Khim Zh
Var Publ Assoc Off Seed Certifying Agencies
Vaxtskyddsnotiser
Vcelarstvi
Veg Grow News
Veg Improv Newsl
Versl Landbouwk Onderz Cent Landbouwpubl Landbouwdoc
Vestis Latv PSR Zinat Akad
Vestn Moskovsk Univ, Biol Pochvoved
Vestn Moskovsk Univ, Geogr
Vestn Moskovsk Univ, Khim
Vestn Ser Biol Leningr Univ
Vestn Stat
Vet Anesth
Vet Glas
Vet Hum Toxicol
Vet Parasitol
Vet Prof Top Pets Small Anim Prof Top
Vet Prof Top Swine Prof Top
Vet Rec
Veterinaria (Madr)
Victorian Hortic Dig
Victorian Nat
Vinifera Wine Grow J
Virchows Arch Abt B Zellpathol Cell Pathol
Virology
Vitis
VM SAC (Vet Med Small Anim Clin)
Vopr Ekon
Vopr Virusol
Water Pollut Control
Water Resour Bull
Water Resour Data Wis
Water Resour Res
Watsonia J Proc Bot Soc Br Isles
Weeds Trees Turf
Wet Meded K N N V (K Ned Naturhist Ver)
What's New For Res
WHO VBC
Wiad Inst Melior Uzytkow Zielon
Wilhelm Roux Arch Dev Biol
Wiss Z Humboldt Univ Berl
Wood Sci
Wood South Afr
Woodwork Indus
World Agric
World Anim Rev
WRC Res Rep Ill Univ Water Resour Cent
WWRC Spec Rep Md Univ Water Resour Res Cent
Z Acker Pflanzenbau
Z Allg Mikrobiol
Z Ausland Landwirt Matersamml
Z Tierpsychol
Zentralbl Bakteriol Parasitenkd Infektionskr Hyg I Abt Orig REihe B Hyg Betriebshyg Prav Med
Zesz Probl Postepow Nauk Roln
Zh Evol Biokhim Fiziol
Zh Obshch Biol
Zh Prikl Khim
Zool Beitr
Zool Jahrb, Abt Allg Zool Physiol Tiere
Zool Jahrb, Abt Anat Ontog Tiere
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MAIN ENTRY SECTION

GENERAL AGRICULTURE AND RURAL SOCIOLOGY

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442.8 R11AE

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450 F58AE

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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from world wide sources. The Bibliography includes journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation and Lockheed Information Systems.

Publications are considered for indexing in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience. Articles that would not otherwise be indexed in the *Bibliography of Agriculture* might be included for USDA authored, sponsored, or published materials.

The Bibliography is now divided into ten sections: A main entry section, five main entry sub-sections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a list of Journal Titles indexed in this issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

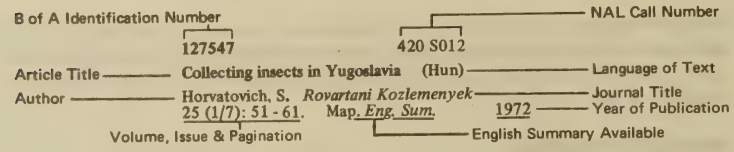
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

(Afr)	Afrikaans	(Geo)	Georgian	(Pol)	Polish
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(Fin)	Finnish	(Lit)	Lithuanian	(Ukr)	Ukrainian
(Fle)	Flemish	(Mac)	Macedonian		
(Fre)	French	(Nor)	Norwegian		

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow The Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U.S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from The Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in The Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.



AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.



SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan his search in terms of the most specific natural language term prior to searching under a scientific term. However, note that the vocabulary is an open ended one and new terms are added each month. Undoubtedly readers will be more keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 25,000 terms. The file is organized so that in most cases synonymous terms are grouped together under a single subject heading. Thus singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based, appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in bold face type. The alphabetic sequence is by the secondary (bold face) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

CHEESES

Production and sale of *Gorgonzola* **cheese** [Prices, trade, productive capacity]. 227693

The **cheese** *industry*. 227819

Information for the consumer and advertising abroad of typical *Italian* **cheeses** [Prices]. 227689

Not enough to produce—Sale of *Italian* **cheeses** urgency of modern forms and efficient structures [Prices, trade].

Many general terms were deleted from the control vocabulary in 1975, and work is underway on the establishment of a more complete list of specific terms. Each subsequent issue will reflect this work. The *Thesaurus of Agricultural Terms*, published in 1976, reflects all the changes made in the control vocabulary through December 1975.

The last item of each entry in the Subject Index is the six digit *Bibliography of Agriculture* identification number. Use this number to locate the complete main entry citation in the monthly issues.

AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

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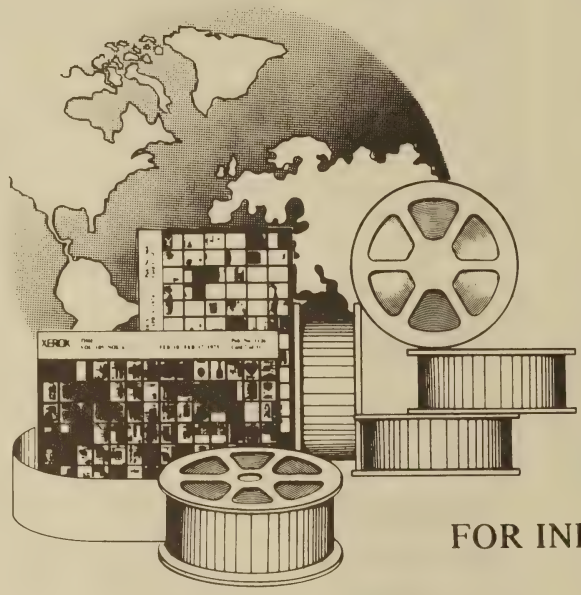
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Acta Endocrinol
Acta Hortic
Acta Parasitol Pol
Acta Pathol Microbiol Scand, Sect A Pathol
Acta Phytotaxon Barcinonensia Barc Univ Dep Bot
Acta Zool Bulg
ADV Data (Natl Ctr Health Statistics)
Adv Exp Med Biol
Adv Lipid Res
Adv Microb Physiol
Advis Leafl G B Minist Agric Fish Food
Afr Agric
Ag Impact
Agrar Rundsch
Agrartud Kozl
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Agric Eng (St Joseph, Mich)
Agric Food Policy Rev ERS AFPR
Agric Gaz N S W
Agric Handb U S Dep Agric
Agric Hist Rev
Agric Meteorol
Agric North Irel
Agric Pak
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Agric Tec
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Arch Int Pharacodyn Ther
Arch Ital Anat Embriol
Arch Naturschutz Landschaftsforsch
Arch Vet
Arch Virol
Arctic
Arnoldia
Arq Inst Biol (Sao Paulo)
Arq Zool
ARS 91 U S Dep Agric Agric Res Serv Anim Health Div
ARS-NC U S Agric Res Serv North Cent Reg
Astra Protein Letter
Atherosclerosis
Atlantic Co-operator
Atmos Environ
Atti Rend Accad Naz Lincei
Aust Entomol Mag
Aust For Ind J
Aust J Chem
Aust J Exp Biol Med Sci
Aust J Plant Physiol
Aust J Zool Suppl Ser
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Bakers Dig
Bauhinia
Bayer Landwirtsch Jahrb
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Bol Inst Tecnol Aliment
Bol Soc Argent Bot
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Boll Lab Entomol Agrar (Portici)
Bot J Linn Soc
Bot Jahrb Syst Pflanzengesch Pflanzengeogr
Bot Mar
Bot Not
Boundary Layer Meteorol
Br J Pharmacol
Br Phycol J
Brooklyn Bot Gard Rec Plants Gard
Bryologist
Bul Kebun Raya
Bull Agric Exp Stn Auburn Univ
Bull Agric Exp Stn Div Agric Univ Arkansas
Bull Am Dahlia Soc
Bull Azabu Vet Coll
Bull Calif Water Pollut Contr Assoc
Bull Ec Natl Super Agron Ind Aliment Nancy
Bull Environ Contam Toxicol
Bull Indones Econ Stud
Bull Inst Pasteur Paris
Bull Kachiku Eisei Shikenjo
Bull Kyoto Univ For Kyoto Daigaku Enshurin
Bull La Murithienne
Bull N D Agric Exp Stn
Bull O I V (Off Int Vigne Vin)
Bull R Bot Gard Syd
Bull S C Agric Exp Stn
Bull S D State Univ Agric Exp Stn
Bull Schweiz Verb Ing-Agron Lebensmitteling
Bull Soc Amis Sci Lett Poznan, Ser D Sci Biol
Bull Soc Bot Fr
Bull Soc Entomol Fr
Bull Soc R Bot Belg
Bull Soc Zool Fr
Bull Tech Dep Genet Anim Inst Natl Rech Agron Paris
Bull Tex Agric Exp Stn
Bull Trimest Soc Mycol Fr
Bull Wash State Univ Coll Agric Res Cent
Bull World Health Organ
Bull Zool Nomencl
Buvar
C Coop Ext Serv Kans State Univ
C R Seances Soc Biol Fil
C T R L Publ New Ser (Cotton Technol Res Lab)
Cac Suc J
Cactus Succulent J
Cafe Cacao The
Cah Ing Agron
Cah ORSTOM Ser Hydrobiol (Off Rech Sci Tech Outre-Mer)
Cah Ser Biol ORSTOM (Off Rech Sci Tech Outre-Mer)
Cah Ser Hydrol ORSTOM (Off Rech Sci Tech Outre-Mer)
Cah Ser Pedol ORSTOM (Off Rech Sci Tech Outre-Mer)
Calif Agric
Calif Farmer
Calif Farmer (Cent Ed)
Calif Vet
Can Beekeep
Can For Ind
Can Home Econ J
Can J Biochem
Can J Bot
Can J Chem
Can J Microbiol
Can J Physiol Pharmacol
Can J Zool
Canadian Consumer
Canadian Labour
Candollea
Canopy
Carbohydr Res
Caryologia
Cell Differ
Cell Tissue Res
Cellul Carta
Cereal Foods World
Chem Br
Chem Commun
Chem Eng (Lond)
Chem Lett
Chem Phys Lipids
Chem Senses Flavor
Chemosphere
Chih-wu Hsueh-pao
Christmas Trees
Chromosoma
Chung Hua Chih Wu Pao Hu Husueh Hui Plant Prot Bull
Cienc For
Circ Agric Exp Stn Auburn Univ
Circ Argent Repub Estac Exp Agric Tucuman
Circ Clemson Univ Ext Serv
Circ Empresa Bras Pesq Agropecu
Circ Ill Univ Coop Ext Serv
Circ N M State Univ Coop Ext Serv
Citrograph
Citrus Sub-Trop Fruit J
Citrus Veg Mag
Clin Pediatrics
Clin Vet
CNI Weekly Rep
Collect Bot Inst Bot Barc
Collect Czech Chem Commun
Comm Bull N S W Dep Agric Div Mark Econ
Commun Inst Tropen Afd Agrar Onderz
Comp Biochem & Physiol A, Comp Physiol
Consumer Reports
Contemporary Nutr
Contrib Gray Herb
Cooking for Profit
Coop Plant Pest Rep U S Anim Plant Health Insp Serv Plant Prot Quar Programs
Co-operative Consumer
Coton Fibres Trop
Counc Agric Sci Technol Rep
Countryside
CRC Crit Rev Clin Lab Sci
CRC Crit Rev Food Sci Nutr (Chem Rubber Co)
Credit Union News
Ctry Life
Cuad Bot Canaria
Cukoripar
Curr Sci
Cutler, Malcolm Rupert (Addresses, Statements, Etc.)
Cytogenet Cell Genet
Dairy Counc Dig
Dairy Farmer Dairy Beef Prod
Dairy Ind Int
Dairy Top
Dan Pelsdyravl
Dan Skovforen Tidsskr
Davidsonia
Dep Inf Rep Texas A M Univ Dep Agric Econ Rural Soc
Dev Biol
Dev Econ
Div Rep C S I R O Div Soils
Dokl Akad Nauk Az SSR
Dokl Akad Nauk SSSR
Dokl Akad Nauk Tadzh SSR
Dokl TSKHA Timiriazevsk S-kh Akad
Dtsch Entomol Z
Dtsch Pelztierz
DVM (Chicago)
E H P (Environ Health Perspect)
East Grape Grow
Eatonia
Eau Amenagement Reg Provencale
Ecol Res Ser
Econ Agric
Ecossistema
Effluent Water Treat J
Egypt J Pharm Sci
Ekologiia (Sofiia)
Ekon Sov Ukr
Elev Insemination
EM Coop Ext Serv Coll Agric Wash State Univ
EM U S For Serv
Endocrinology
Ensemble

Entomol Gaz
Entomol Z
Entomologiste
Environ Aff
Environ Conserv
Environ Geol
Environ Monit Ser
Environ Prot Technol Ser EPA
Environ Sci Tech
ESS Ohio State Univ Dep Agric Econ Rural Sociol
Estuarine Coastal Mar Sci
Etud Rurales Paris Ec Hautes Etud Sci Soc
Eur J Appl Microbiol
Eur J Biochem
Eur J Pharmacol
Everybody's Money
Exp Cell Biol
Exp Cell Res
Exp Gerontol
Exp Mycol
Experientia
Ext Serv Rev Coop Ext Serv
Farm Chem
Farm Policy
Farm Ranch Home Q
Farmer Coop U S Farmer Coop Serv
Farmers Bull U S Dep Agric
Farmers Voice
Fauna SSSR Nasekomye Dvukrylye
FCS Inf
FCS Spec Rep U. S. Farmer Coop Serv
FDA Consumer
FEBS Lett (Fed Eur Biochem Soc)
Fed Proc Fed Am Soc Exp Biol
Feddes Repert
Feedlot Manage
Feedstuffs
Fert Mark News
Fert News
Fert Prog
Field Notes U S For Serv
Fieldiana Bot
Financial Post
Fitoterapia
Fiziol Rast (Conf Proc)
Fiziol Rast (Sofiia)
Fla Grower & Rancher
Flora Fauna
Flora Males Bull
Flora Morphol Geobot Oekophysiol
Florists Rev
Flower And Gard West Ed
Flugbl Bundesanst Pflanzenschutz
Fluoride
Folia Biol (Praha)
Folia Entomol Mex
Folia Parasit
Food and Nutr News
Food Eng
Food Home Notes
Food Management
Food Nutr
Food Nutr Notes Rev
Food Prod Dev
Food Serv Mark
Food Technol
Food Technol N Z
For Bull Dep For Clemson Univ
For Prod Notes
For Res What's New West
For Tech Rep Can For Serv
Foreign Agric Circ FLM U S Foreign Agric Serv
Foreign Agric Circ FOP U S Foreign Agric Serv
Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv
Foreign Agric Circ Tob FT U S Foreign Agric Serv
Foreign Agric Econ Rep U S Dep Agric Econ Res Serv
Foreign Agric U S Foreign Agric Serv
Forsch Sitzungsber Akad Raumforsch Landespl
Forschungsber Inst Zuckerind Versuchsanst Zuckertechnol
Forstl Forsogsvaes Dan
Fourrages Actual
Fragm Faun Pol Akad Nauk Inst Zool
Freshwater Biol
Friesia
Frutticoltura
G Bot Ital
Ga Agric Res
Garcia Orta Ser Bot
Garden
Gegenbaurs Morphol Jahrb
Gen & Comp Endocrinol
Gen Tech Rep PSW Pac Southwest For Range Exp Stn USDA For Serv
Genet Agrar
Genet Pol
Geomorfologiia
Geoponika
Gewasprod Crop Prod
Gidrobiol Zh Hydrobiol J
Glean Bee Cult
Gorteria
Gottinger Bodend Ber
Grain Prod News
Granja
Growth
Grune
Harvestore Farmer
Hickenia Bol Darwinion
Highlights Agric Res
Hist Ser Can Dep Agric
Histochem J
Histochemistry
Hoards Dairym
Hodowla Rosl Aklim Nasienn
Hog Farm Manage
Holz Roh Werkst
Home Econ Res J
Home Gard Bull U S Dep Agric
Hortic Ind
Hydrobiologia
IAWA Bull (Int Assoc Wood Anat)
Iberflora
IKO Inn Kolonisation Land Gemeinde
Imkerfreund
In Environmental Aspects of Irrigation and Drainage; Proceedings of a Specialty Conference
In European Economic Issues. J. S. Marsh & others, eds.
In Perinatal Losses in Lambs; a Collection of Papers from a Symposium
In Problemy Optimizatsii Razvitiia Narodno-Khoziaistvennogo Khlopkovogo Kompleksa
In Virus Aspects of Applying Municipal Waste to Land; Symposium Proceedings
Indian Drugs
Indian For
Indian J Agric Sci
Indian J Anim Res
Indian J Biochem Biophys
Indian J Med Res
Indian J Nutr Diet
Indian J Zool
Indian Poult Rev
Indian Sugar
Indian Vet J
Inf Bot Ital
Inf Chil Nitrate Agric Serv Nitrate Corp Chil Ltd
Inf Fitopatol
Inf Leafl Nat Conserv Counc
Inf Rep VP-X West For Prod Lab Vancouver
Inf Sheet Coop Ext Serv Miss State Univ
Infect Immun
Insect Identif Sheet Identif Insectes Feuill
Insect Pest Bull N S W Dep Agric Entomol Branch
Instit Distrib
Instit/vol Feeding
Int Flavours Food Addit
Int J Biochem
Int J Biometeorol
Int J Chronobiol
Int J Ecol Environ Sci
Int J Parasitol
Int J Peptide Protein Res
Int Pest Control
Int Rice Res Newsl Int Rice Res Inst
Int Z Vitam- Ernahrungsforsch Beih
Isr J Zool
Izv Timiriazevsk S-kh Akad
Izv Vyssh Uchebn Zaved, Pishch Tekhnol
J Agric Econ
J Agric Sci (Camb)
J Agric Trop Bot Appl
J Agric Univ P R
J Air Pollut Control Assoc
J Am Assoc Teach Educ Agric
J Am Diet Assoc
J Am Oil Chem Soc
J Am Soc Brew Chem
J Am Soc Sugar Beet Technol
J Am Vet Med Assoc
J Anim Sci
J Arboric
J Bacteriol
J Biochem (Tokyo)
J Bioenergetics Biomembranes
J Biol Chem
J Biol Stand
J Bot Soc S Afr
J Bromeli Soc
J Cell Biol
J Chem Ecol
J Chem Soc, Perkin Trans 1
J Chin Chem Soc
J Chromatogr
J Clin Microbiol
J Coll Dairy
J Comp Physiol
J Dairy Sci
J Econ Entomol
J Endocrinol
J Environ Econ Manage
J Environ Health
J Ext
J Fac Agric Tottori Univ
J Food Prot
J Food Protection
J Food Sci
J For
J For Suisse
J Gen Microbiol
J Gen Virol
J Hist Geogr
J Hortic Sci
J Hum Nutr
J Indian Chem Soc
J Infect Dis
J Insect Physiol
J Inst Anim Tech
J Jap For Soc
J Med Entomol
J Membr Biol
J Microsc (Lond)
J Mol Biol
J Mol Evol
J Morphol
J Nat Hist
J Natl Res Counc Thail
J Nematol
J Nucl Agric Biol
J Nutr
J Nutr Sci Vitaminol
J Org Chem
J Parasitol
J Pediatrics
J Physiol
J Protozool
J R Soc N Z
J R Soc West Aust
J Rubber Res Inst Malayas
J Sci Ind Res
J Seric Sci Jap
J Small Anim Pract
J Soil Conserv Serv N S W
J Soil Sci Soc Am
J Solid Phase Biochem
J Stored Prod Res
J Supramolecular Struct
J Tenn Acad Sci
J Ultrastruct Res
J Water Pollut Control Fed
Jaarb Karakul Breeders Soc S Afr
Jahrb Bundesanst Pflanzenbau Samenpruf Wien
Jahresber Dtsch Forstverein
Jap J Genet
Jap J Vet Res
Jap Pestic Inf
Jordbruksekon Medd
Julk Maatalouden Taloud Tutkimuslaitoksen
Jute Bull
Kadry Sel'sk Khoz
Kert Egy Kozl Kert Egy
Kharchova Prom-st'
Khim Drev
Khim-Farm Zh
Khlopkovodstvo
Kholod Tekh
Kiel Milchwirtsch Forschungsber
Kistenyesztok Lapja
Kon Pol
Konzerv Paprikaip
Korean J Plant Prot
Kormoproizvod Sb Nauchn Rab
Kosmos
Krmiva
L Nev Univ Coop Ext Serv
Lab Anim
Lab Anim Sci M razlichnykh faktorov. L. V. Kakhnovich, ed.
Labour Council Of Metropolitan Toronto. Yearbook 1976
L'Action Vet
Lait
Lambillionea
Lancet
Land Forstwirtsch Forsch Osterr
Land Res Ser Commonw Sci Ind Res Org
Landbouwkd Tijdschr
Landwirtsch-Angew Wiss Bundesminist Ernahr Landwirtsch Forsten Ger (Fed Repub)
Laporan Lembaga Penelitian Hutan
Lav Arroz
Leafl Coop Ext Serv Univ Ga Coll Agric
Leafl U S Dep Agric
League Int Food Educ
Lebensm Ind
Len Konopi
Les (Ljubl)
Lesn Khoz
Light Gard
Limnol Oceanogr
Lipids
Livest Breed J
Livest Farming
Luonnon Tutkija
M A F E S Res Highlights (Miss Agric For Exp Stn)
Madrono
Maelkeritidende
Mar Biol
Mater Org
MB Va Polytech Inst State Univ Coop Ext Serv
Med Microbiol Immunol
Med Weter
Medd Sven Traskyddsinst Rep Swed Wood Preserv Inst
Meded Landbouwhogesch Wageningen
Meded Rijksuniv Fac Landbouwwet
Meijeritiet Aikak
Melior Vodn Khoz
Melsheimer Entomol Ser
Mem Entomol Soc Can
Mem Soc R Bot Belg
Memo Tec Mex Dir Gen Dist Riego
Meteorol Gidrol
Microbiol Immunol
Microbios Lett
Mikrokosmos
Milch Prax Rindermast
Milieu Laurentian For Res Cent
Minn Hortic
Misc Bryol Lichenol
Misc Publ Hawaii Univ Coop Ext Serv
Misc Publ Mus Zool Univ Mich
Misc Publ Okla Agric Exp Stn
Misc Rep Econ Serv Branch Queensl Dep Primary Ind
Mitt Biol Bundesanst Land Forstwirtsch (Berlin-Dahlem)
Mitt Bundesforschungsanst Forst Holzwirtsch
Mitt Munch Entomol Ges
Mitt Schweiz Landwirtsch
Mitt Ver Forstl Standortskd Forstpflanzenzucht
Mitt Zool Mus Berl
Mo Bot Gard Bull
Mod Vet Pract
Mol Biol
Mol Biol Rep
Monatsh Veterinarmed
Mondo Latte
Mr Grow
Mutat Res
Mycotaxon
N D Farm Res N D Agric Exp Stn
N Z Fert J
N Z J Dairy Sci Technol
N Z J For Sci
N Z J Zool
N Z Soil News
N Z Tob Grow J
N Z Vet J
Nat Belg
Nat Can
Natl Wool Grow
Nature
Nauchn Tr Beloruss Nauchno-Issled Inst Zhivotnovod
Nauchn Tr Nauchno-Issled Proekt Tekhnol Inst Mekh Elektrif Sel'sk Khoziaistva Sev-Zapada
Nauchn Tr Vses Nauchno-Issled Inst Fiziol Biokhim Pitan S-kh Zhivotn
Nauchno-Tekh Biull Vses Nauchno-Issled Inst Mekh Sel'sk Khoz
Nauchno-Tekh Biull Vses Sel-Genet Inst
Nauka Pol
Ned Bosbouw Tijdschr
Neue Bienenzucht
New Engl J Med
New Harbinger
New Phytol
Newsl Common Agric Policy Inf Serv Eur Communities
North Am Pomona
North Staffordsh J Field Stud
Northwest Sci
Nov Zhizni Nauke Tekh Ser Biol
NR Technol Malays Rubber Prod Res Assoc
NSDB Technol J
Nucleic Acids Res
Nucleus
Nutr & MD
Nutr News
Nutr Rev
Nutr Today
Obshta Sravnitelna Patol
Obz Inf Vses Nauchno-Issled Inst Inf Tekh-Ekon Issled Sel'sk Khoz
Occas Pap Entomol
Oecologia
Off Insp Maine Life Sci Agric Exp Stn
Ohio J Sci
Oleagineux
Ontario Credit Union News
Orchard N Z
Oreg Agric Prog
Orient Insects Suppl
PA U S Dep Agric
Pag Bull
Pak Cottons
Pak Dev Rev
Pam Minist Agric Agric Res Organ Div Sci Publ (Bet Dagan)
Pantnagar J Res
Paper (Athens Ga)
Papua New Guinea Agric J
Parasitica
Parasitology
Parent's Magazine
PB U S Natl Tech Inf Serv
Pchelarstvo
PCT Pest Control Technol
Pediatric Annals
Pediatrics
Pedologist
Perfum Flavorist
Personnel J
Pest Control
Petit J Brass
Philipp J Coconut Stud
Philipp J Vet Med
Phycologia
Physiol Plant
Physiol Veg
Phytochemistry
Phytologia
Pig Breed Gaz
Pig Farmer
Pig Farming
Plant Biochem J
Plant Cell Physiol
Plant Chron
Plant Inventory U S Plant Genet Germplasm Inst Germplasm Resour Lab
Plant Med Phytother
Plant Physiol
Plant Soil
Planta
PM Iowa State Univ Sci Technol Ames Coop Ext Serv
PNW Oreg State Univ Coop Ext Serv
Pol J Soil Sci
Pol Pismo Entomol
Pollen Spores
Pork Ind Gaz
Postepy Nauk Roln
Potato Res
Poult Ind
Poult Pointers
Poult Trib
Power Farming Mag
Pract Vet
Prehrambeno Tehnol Rev
Preslia
Principes
Priroda (Mosk)
Proc Annu Congr S Afr Sugar Technol Assoc
Proc Annu Conv Nebr State Irrig Assoc
Proc Annu Meet Lightwood Res Coord Counc
Proc Eur Soc Toxic
Proc Great Plains Agric Counc
Proc IEEE (Inst Electr Electron Eng)
Proc Jap Acad
Proc Mont Nutr Conf Livest Grow Feed Manuf Dealers Salesmen
Proc Nutr Soc
Proc Soc Exp Biol Med
Process Biochem
Prof Nutr
Prog Agric Ariz
Prog Agric Vitic
Prog Chem Org Nat Prod
Prog Farmer (Birmingham)
Prog Farmer Ky

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

Prog Rep Ky Agric Exp Stn
Proj Rep P N Z Agric Eng Inst
Prostaglandins (Los Altos)
Protistologica
Prum Potravin
Pszczelnicze Zesz Nauk
Publ Can Dep Agric
Publ Coop Ext Programs Univ Wis Ext
Publ P R Agric Exp Agric
Publ Tec Chacra Exp Barrow
Publ Technion Israel Inst Technol Agric Eng Fac
Publ U S Ext Serv
Pulp & Pap Can
Puti Povysh Urozhainosti Polevykh Kul't
Q J Exp Physiol Cogn Med Sci
Q J R Meteorol Soc
Q Rev Biol
Q Rev Soil Assoc
Quaest Entomol
Queensl Agric J
Query File Commonw Bur Hortic Plant Crops
R I Resour
R Nev Agric Exp Stn
R R I S L Bull Rubber Res Inst Sri Lanka
Radiat Environ Biophys
Radiat Res
Radiobiologiia
Rapp Uppsatser Res Notes Stockh Skogshogskolan Inst Vaxtekol Marklara Avd Skogsekologi
Rastenievud Nauk
Recl Med Vet
Red Comb J
Reihe Stud Fachbereich Int Agrarentwickl Tech Univ Berl
Rep BC-X Pac For Res Cent
Rep Ga For Res Counc
Rep Nebr Univ Dep Agric Econ
Rep Univ Newcastle Upon Tyne Dep Agric Econ
Rep Water Res Found Aust
Res Bull Mo Agric Exp Stn
Res Bull Ohio Agric Res Dev Cent
Res Bull Plant Prot Serv Jap Shokubutsu Beoki-Sho, Yokohama
Res Farming N C Agric Exp Stn
Res Norw Agric
Res Note INT U S Dep Agric For Serv Intermt For Range Exp Stn
Res Rep Ga Exp Stn
Res Rep Miss Agric For Exp Stn
Res Rep N H Agric Exp Stn
Res Rep P Okla Agric Exp Stn
Res Rev Res Stn Agassiz B C
Res Vet Sci
Restaurant Bus
Rev Agric (Brux)
Rev Agric Econ Malaysia
Rev Biol Trop
Rev Bras Biol
Rev Bras Entomol
Rev Cafetalera
Rev Criad
Rev Embouteillage Indus Cond Trait Distrib Transp
Rev For Fr
Rev Lait Fr
Rev Latinoam Microbiol
Rev Marche Commun
Rev Mark Agric Econ N S W Dep Agric Div Mark Agric Econ
Rev Palaeobot Palynol
Rev Soc Mex Lepid A C
Rev Suisse Zool
Rev Zool Agric Pathol Veg
Revue Canadienne d'Economie Publique et Cooperative. Canadian Journal of Public and Cooperative Economy
Rhod Agric J
Riv Ital Sost Grasse
Riv Patol Veg
Rocz Akad Roln Poznan
Rocz Inst Przem Mlecz
Rostl Vyroba Cesk Akad Zemed Ustav Vedeckotech Inf
Rural Sociol
Rustica
S Afr J Dairy Technol
S Afr J Sci
S D Farm Home Res
Sabouraudia
Sadovod Vinograd Vinodel Mold Sarsia
Sb Nauchn Tr Eest Pollumajanduse Akad
Sch Foodserv J
Schlachten & Vermarkten
Schriften Landwirtschaftskammer Rheinl
Schweiz Bienen-Zeitung
Schweiz Landwirtsch Forsch
Schweiz Milchwirtsch Forsch
Schweiz Z Obst Weinbau
Sci Agric
Sci Am
Sci Bull Coll Agric Univ Ryukyus Okinawa
Sci Cult
Sci Hortic (Canterbury)
Science
Seed Sci Technol
Sementi Elette
Senckenb Biol
Ser Conf Cursos Reun Interam Inst Agric Sci
Short Term Leafl Minist Agric Fish Food (Middlesex)
Silva Fenn
Slovenski Cebelar
Smaskrift Landbruksdep Opplysningstjenesten (Norway)
SNA Nursery Res J (South Nurserymen's Assoc)
Sobre Deriv Cana Azucar
Socioecon Environ Stud Ser EPA
Socio-Econ Inf Ohio Agric Rural Communities
Sodob Kmetij
Soil Conserv
Sol Energy
Solid Wastes
Soripar
South Reg U S For Serv
Southwest Vet
Sov Torg
Soybean Dig
Spec Bull R Bot Gard (Hamilton)
Spec Publ Coll Agric Univ Ill
Spec Rep Arkansas Agric Exp Stn
Spec Sci Rep Wildl U S Fish Wildl Serv
Staff Welfare Caterer
Staff Welfare Catering
Stain Technol
Steroids
Sucr Belg
Sucr Fr
Sugarbeet Grow
Sugarcane Pathol Newsl
Summa Phytopathol
Sunshine State Agric Res Rep
Supervisory Management
Sven Papperstidn
Sver Skogvardsforb Tidskr
Synchronos Ga Mod Agric
Syst Bot
TAG (Theor Appl Genet)
Tagungsber Dtsch Akad Landwirtschaftswiss
Takarmanytermesztesi Kut Intez Kozl Takarmanybazis
Talanta
Tappi (Tech Assoc Pulp Paper Ind)
Tech Bull S C Agric Exp Stn Clemson Univ
Tech Bull Wis Dep Nat Resour Div Conserv
Tech Lait
Tech Rep ETR U S For Serv
Tech Rep For Eng Res Inst Can
Tech Rep Weed Res Organ
Tenn Farm Home Sci Prog Rep
Tetrahedron
Tetrahedron Lett
Tex Agric Prog
Tex Vet Med J
Text Res J
The Atlantic Co-operator
The Credit Union Way
The Globe and Mail
The New Harbinger
The Western Producer
Theriogenology
Tidsskr Plant
Tierra
Tissue Cell
Toxicol Lett
Training
Training Dev J
Trans ASAE (Am Soc Agric Eng)
Trans Biochem Soc
Trans Br Mycol Soc
Trans Ill State Acad Sci
Trans Mycol Soc Jap
Trans Nebr Acad Sci
Trop Agric (Guildford)
Trop Agric Res Ser
Trop Ecol
Trop Grain Legume Bull
Tropenmed Parasitol
TSitologiia
Tud Mezogazd
Turf Bull
Turrialba
U S D A For Serv Res Pap FPL
USDA For Serv Gen Tech Rep FPL U S For Prod Lab
USDA For Serv Gen Tech Rep NC North Cent For Exp Stn
USDA For Serv Gen Tech Rep RM U S Rocky Mt For Range Exp Stn
USDA For Serv Res Note FPL U S For Prod Lab
USDA For Serv Res Note NC U S North Cent For Exp Stn
USDA For Serv Res Pap PNW U S Pac Northwest For Range Exp Stn
USDA For Serv Resour Bull SE U S Southeast For Exp Stn
Utah Sci
Va For
Vegetarian Times
Vending Times
Verh Zool Ges
Veroff Landestelle Natursch Landschaftpflege Baden Wurttemb
Versl Meded Comm Hydrol Onderz T N O (Cent Organ Toegpast Natuurwet Onderz)
Versuchsergeb Bundesanst Pflanzenbau Samenprufung
Vestis Latv PSR Zinat Akad
Vestn Cesk Spol Zool
Vestn Stat
Vet Hum Toxicol
Vet Rec
Victorian Nat
Victorias Agric Res Rep
Virology
Visn Sil's'kohospod Nauki
Visnyk Akad Nauk Ukr RSR
Vititechnique
Viz Kozl
VM SAC (Vet Med Small Anim Clin)
VM SAC (Vet Med Small Anim Clin) Serv
Vodn Resur
Vopr Ekon
Vopr Virusol
W H O Chron
Wasserhaushalt Bodennutzung
Water & Waste Treat
Weed Sci
Weight Watchers
Wilhelm Roux Arch Dev Biol
Wintertagung
Wis Nat Resour Bull
Wood Ind
Woodwork Indus
Work Pap Afr Rural Econ Program
World Crops Livest
World Reporter
World Wood
WRC Res Rep Ill Univ Water Resour Cent
WRDC Discuss Pap West Rural Dev Cent
Xenobiotica
Young Children
Z Angew Zool
Z Kulturtech Flurbereinig
Z Naturforsch Sect C Biosci
Z Pflanzenphysiol
Z Tierpsychol
Z Tierz Zuchtungsbiol
Zb Biotehniske Fak Univ Ljublj Vet
Zentralbl Bakteriol Parasitenkd Infektionskr Hyg, I Abt Orig, Reihe A Med Mikrobiol Parasitol
Zentralbl Bakteriol Parasitenkd Infektionskr Hyg II Naturwiss Abt
Zentralbl Veterinarmed, Reihe B
Zesz Nauk Akad Roln-Tech Olsztynie Roln
Zesz Probl Postepow Nauk Roln
Zh Prikl Khim
Zool Beitr
Zoomorphologie

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England

MAIN ENTRY SECTION

GENERAL AGRICULTURE AND RURAL SOCIOLOGY

010908 QH7.A2
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Solar radiation transmission coefficient in Manaus in June [Climate, Brazil]. (Por) Nova, N A V; Salati, E; Santos, J M; Ribeiro, M N G *Acta Amazonica* 6 (3): 319-322. Eng. Sum. Sept 1976

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010914 S19.A32
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A new Gardena [etiennei] from the island of Reunion (Hemiptera, Reduviidae, Emesinae). (Fre) Villiers, A *Bull Soc Entomol Fr* 81 (5/6): 205-206. May/June 1976

020370 420 F84B
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020371 420 F84B
A new Manjarivolo [mirabilis] from Madagascar (Coleoptera, Scarabaeidae, Aulonocneminae). (Fre) Paulian, R *Bull Soc Entomol Fr* 81 (3/4): 101-104. Mar/Apr 1976

020372 420 F84B
A new Metacatharsius [bateke] from Zaire and the People's Republic of the Congo (Coleoptera, Scarabaeidae, Scarabaeinae). (Fre) Walter, P *Bull Soc Entomol Fr* 81 (7/8): 267-270. Sept/Oct 1976

020373 420 F84B
A new species of Pimelia [(Homalopus) peyerimhoffi] from the northwestern Sahara and observations on the possibilities of hybridization of some forms (Coleoptera, Tenebrionidae). (Fre) Pierre, F *Bull Soc Entomol Fr* 81 (1/2): 16-21. Map. Jan/Feb 1976

020374 420 F84B
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020375 420 F84B
A notable new genus of coprophagous Coleoptera, Scarabeidae from Madagascar [Peyrierasantus nitidus]. (Fre) Paulian, R *Bull Soc Entomol Fr* 81 (5/6): 155-159. May/June 1976

020376 420 F84B
Adjunctions to the genus Diadegma Forst. (Angitia Holm. Praeocc.) (Hymenoptera, Ichneumonidae). (Fre) Aubert, J F *Bull Soc Entomol Fr* 81 (5/6): 202-205. May/June 1976

020377 420 F84B
Contribution to the study of the genus Arethusana H. De Lesse (Lepidoptera, Satyridae). 3. Speciation and evolution of the genus. (Fre) Pintureau, B *Bull Soc Entomol Fr* 81 (7/8): 225-234. Map. Sept/Oct 1976

020378 420 F84B
Contribution to the study of Microlepidoptera from Madagascar (Sesiidae, Alucitidae) [Microsynanthedon tanala, Alucita euscripta, new taxa]. (Fre) Minet, J *Bull Soc Entomol Fr* 81 (1/2): 40-43. Jan/Feb 1976

020379 420 F84B
Contributions to the study of Coleoptera, Carabidae from the Malagasy region. X. Description of an unrecorded genus of Harpalinae (Coleoptera, Carabidae, Harpalinae) [Paulianoscirtus madecassus, Paulianoscirtus cordicollis, new taxa]. (Fre) Basilewsky, P *Bull Soc Entomol Fr* 81 (1/2): 25-28. Jan/Feb 1976

020380 420 F84B
Culicidae in the Rhone-Alps region: balance of ten years of observation (Diptera). (Fre) Gilot, B; Ain, G; Pautou, G; Gruffaz, R *Bull Soc Entomol Fr* 81 (7/8): 235-245. Ref. Sept-/Oct 1976

020381 420 F84B
Description of two new Coleoptera Latridiidae from South America [Nalpaumia septemstriata, Aridius ypirangae]. (Fre) Dajoz, R *Bull Soc Entomol Fr* 81 (7/8): 258-260. Sept/Oct 1976

020382 420 F84B
Description of new Arctiidae from Madagascar and the Comoro Islands (Lepidoptera, Arctiidae) (21st note). (Fre) Toulgoet, H de *Bull Soc Entomol Fr* 81 (5/6): 185-197. May/June 1976

020383 420 F84B
Description of a new species of Dilta from the Spanish Pyrennes: Dilta spinulosa n. sp. (Thysanura, Machilidae). (Fre) Bitsch, J; Bach de Roca, C *Bull Soc Entomol Fr* 81 (3/4): 84-88. Mar/Apr 1976

020384 420 F84B
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Euphaedra from the "eleus Drury group". Polymorphism, geographic variation, speciation (Lepidoptera, Nymphalidae). (Fre) Guillaumin, M *Bull Soc Entomol Fr* 81 (3/4): 112-125. Maps. Ref. Mar/Apr 1976

020386 420 F84B
Four new Sarcophaginae from the Ethiopian region (Diptera, Sarcophagidae) [Helicobia germaini, Sarcophaga mefouensis, Sarcophaga yvorei, Sarcophaga moucheti]. (Fre) Rickenbach, A *Bull Soc Entomol Fr* 81 (7/8): 280-287. Sept/Oct 1976

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Galerucinae from New Guinea. 1. Description of a genus and two new species (Coleoptera, Chrysomelidae, Oidini) [Paranoides cordipennis, Paranoides meeki]. (Fre) Vachon, A *Bull Soc Entomol Fr* 81 (3/4): 88-96. Mar/Apr 1976

020388 420 F84B
Hybomitra quelennei n. Sp. And Hybomitra rickenbachi n. Sp. From eastern Senegal (Diptera, Tabanidae). (Fre) Raymond, H L; Taufflieb, R *Bull Soc Entomol Fr* 81 (5/6): 197-202. May/June 1976

020389 420 F84B
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020390 420 F84B
New African species of Tenebrionidae (Coleoptera) [Zarudnyonymus gilloni, Philhammus villiersi, Lepidocnemeplatia cambeforti]. (Fre) Ardoin, P *Bull Soc Entomol Fr* 81 (5/6): 148-152. May/June 1976

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New Apomecynini from the collections of the National Museum of Natural History, Paris (Coleoptera, Cerambycidae, Lamiinae). (Fre) Breuning, S *Bull Soc Entomol Fr* 81 (5/6): 207-208. May/June 1976

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New carabids (Coleoptera, Caraboidea). 6. [New taxa]. (Fre) Jeanne, C *Bull Soc Entomol Fr* 81 (1/2): 28-40. Map. Jan/Feb 1976

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8 P832J

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100 OK4 (3)

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100 OK4 (3)

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100 OK4 (3)

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100 OK4 (3)

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100 OK4 (3)

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Plant chemical composition and digestibility of rangeland forage. Kautzsch, S H; Wagner, D G; Powell, J; Hammond, R W; Oklahoma Agricultural Experiment Station *Misc Publ Okla Agric Exp Stn* 101: 31-34. June 1977

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100 OK4 (3)

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100 OK4 (3)

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100 OK4 (3)

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100 OK4 (3)

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100 OK4 (3)

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100 OK4 (3)

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100 OK4 (3)

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100 OK4 (3)

The comparison of three-breed cross and backcross swine for litter productivity and feedlot performance. Wilson, E R; Johnson, R K; Vencl, R; Welty, S D; Oklahoma Agricultural Experiment Station *Misc Publ Okla Agric Exp Stn* 101: 91-96. June 1977

100 OK4 (3)

The effect of electrical stimulation on the rate of post-mortem glycolysis in some bovine muscles. McCollum, P D; Henrickson, R L; Oklahoma Agricultural Experiment Station *Misc Publ Okla Agric Exp Stn* 101: 146-151. Ref. June 1977

100 OK4 (3)

The effect of monensin on weight gains of steers and heifers grazing fescue pasture during the winter [Feed supplements, Festuca]. Apple, K L; Gill, D R; Oklahoma Agricultural Experiment Station *Misc Publ Okla Agric Exp Stn* 101: 4-7. June 1977

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Wheat pasture bloat of stockers [Beef cattle]. Horn, G W; Clay, B R; Croy, L I; Oklahoma Agricultural Experiment Station *Misc Publ Okla Agric Exp Stn* 101: 26-31. June 1977

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100 N813B

Bromegrass [Bromus inermis] fertilization at six nitrogen rates: long and short term effects. Meyer, D W; Carter, J F; Vigil, F R; North Dakota Agricultural Experiment Station *N D Farm Res N D Agric Exp Stn* 34 (6): 13-17. July/Aug 1977

100 N813B

Cankerworm [Paleacrita vernata, Alsophila pometaria] control in shelterbelts. Frye, R D; McBride, D K; Carey, D R; Elichuk, T L; Dregseth, R L; North Dakota Agricultural Experiment Station *N D Farm Res N D Agric Exp Stn* 34 (6): 3-7. July/Aug 1977

100 N813B

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100 N813B

Hog marketing alternatives selling packer grade and yield vs. selling locally. Landblom, D G; Nelson, J L; North Dakota Agricultural Experiment Station *N D Farm Res N D Agric Exp Stn* 34 (6): 18-20. July/Aug 1977

100 N813B

In memoriam [W.E. Brentzel, plant pathologists, United states]. North Dakota Agricultural Experiment Station *N D Farm Res N D Agric Exp Stn* 34 (6): 17. July/Aug 1977

100 N813B

Preliminary report on an agar-gel immunodiffusion test for pseudorabies [Swine, viral diseases]. Pfeiffer, N E; Schipper, I A; North Dakota Agricultural Experiment Station *N D Farm Res N D Agric Exp Stn* 34 (6): 21-22. July/Aug 1977

100 N813B

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100 M28S (3)

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Oreg Agric Prog

100 OR3OR

Alfalfa aid: the little bee that could [Pollination]. Oregon Agricultural Experiment Station *Oreg Agric Prog* 24 (1): 5. Summer 1977

100 OR3OR

Few can view [Arthur S. H.] Wu's world [Microscopic study of reproductive problems in animals]. Oregon Agricultural Experiment Station *Oreg Agric Prog* 24 (1): 6-7. Summer 1977

100 OR3OR

Groundsel [Senecio]: pasture pest more potent than tansy [tanacetum vulgare, toxic to livestock]. Oregon Agricultural Experiment Station *Oreg Agric Prog* 23 (4): 6-7. Spring 1977

100 OR3OR

Hidden enemy can be stopped in 'starters' [Viruses found in starter strains of bacteria used in the manufacture of dairy products, dairy fermentation]. Oregon Agricultural Experiment Station *Oreg Agric Prog* 23 (4): 4-5. Spring 1977

100 OR3OR

Klamath Falls [Agricultural Experiment] Station prods mature into partnership. Oregon Agricultural Experiment Station *Oreg Agric Prog* 23 (4): 11-12. Spring 1977

100 OR3OR

Putting the stops on Labops [hesperius]. Oregon Agricultural Experiment Station *Oreg Agric Prog* 24 (1): 11-12. Summer 1977

100 OR3OR
Researchers advise: shake 'em—don't break 'em [Mechanical tree fruit harvesters, cherries]. Oregon Agricultural Experiment Station *Oreg Agric Prog* 24 (1): 9-10. Summer 1977

100 OR3OR
Ruffles (and flourishes) for truffles. Oregon Agricultural Experiment Station *Oreg Agric Prog* 23 (4): 8-10. Spring 1977

Paper (Athens Ga)

S51.P3
Beneficial fungus increases plant growth [Endomycorrhizae]. Georgia Agricultural Experiment Stations *Paper (Athens Ga)* 37: 1. June 1977

S51.P3
Cajun pines better for Georgia [Seed from trees grown in louisiana]. Georgia Agricultural Experiment Stations *Paper (Athens Ga)* 37: 1-2. Map. June 1977

S51.P3
Energy-saving tillage sought to break pack [Soil compaction]. Georgia Agricultural Experiment Stations *Paper (Athens Ga)* 38: 2. July 1977

S51.P3
Exercise essential to animal's good health [Swine]. Georgia Agricultural Experiment Stations *Paper (Athens Ga)* 39: 1-2. Aug 1977

S51.P3
Fall armyworms [Spodoptera frugiperda] eating way thru state [Economic plants]. Georgia Agricultural Experiment Stations *Paper (Athens Ga)* 40: 1. Sept 1977

S51.P3
Grow larger jade [Crassula argentea] trees. "Neglect" culture theory discounted [Succulents, ornamentals]. Georgia Agricultural Experiment Stations *Paper (Athens Ga)* 39: 1-2. Aug 1977

S51.P3
Hot days increasing disease; cabbage seedlings suffering [Rhizoctonia solani]. Georgia Agricultural Experiment Stations *Paper (Athens Ga)* 39: 4. Aug 1977

S51.P3
Light beam safe on food products [Non-destructive method of analysis to test the composition of food products as an alternative to current methods which render the sample useless after testing, food inspection]. Georgia Agricultural Experiment Stations *Paper (Athens Ga)* 38: 4. July 1977

S51.P3
Mechanical harvesting: processed blueberry market's answer. Sykes, D; Georgia Agricultural Experiment Stations *Paper (Athens Ga)* 37: 3. June 1977

S51.P3
Muscadine production may double [Situation studies]. Georgia Agricultural Experiment Stations *Paper (Athens Ga)* 34/35: 1-2. Mar/Apr 1977

S51.P3
Seven imported and domestic breeds part of cattle crossbreeding study [on maximum production efficiency]. Riechert, B; Georgia Agricultural Experiment Stations *Paper (Athens Ga)* 39: 3. Aug 1977

S51.P3
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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from world wide sources. The Bibliography includes journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation and Lockheed Information Systems.

Publications are considered for indexing in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience. Articles that would not otherwise be indexed in the *Bibliography of Agriculture* might be included for USDA authored, sponsored, or published materials.

The Bibliography is now divided into ten sections: A main entry section, five main entry sub-sections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a list of Journal Titles indexed in this issue is included in the front matter.

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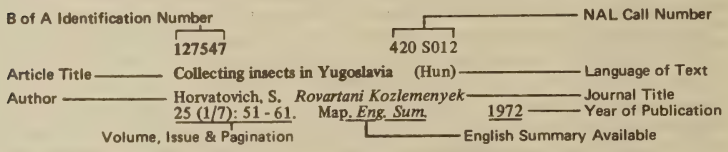
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

(Afr)	Afrikaans	(Geo)	Georgian	(Pol)	Polish
(Alb)	Albanian	(Ger)	German	(Por)	Portuguese
(Arm)	Armenian	(Gre)	Greek	(Rum)	Rumanian
(Aze)	Azerbaijani	(Heb)	Hebrew	(Rus)	Russian
(Bel)	Belorussian	(Hun)	Hungarian	(Scc)	Serbo-Croatian (Cyrillic)
(Bul)	Bulgarian	(Ice)	Icelandic		
(Bur)	Burmese	(Ind)	Indonesian	(Scr)	Serbo-Croatian (Roman)
(Chi)	Chinese	(Ita)	Italian		
(Cze)	Czech	(Jpn)	Japanese	(Slo)	Slovak
(Dan)	Danish	(Kor)	Korean	(Slv)	Slovenian
(Dut)	Dutch	(Lat)	Latin	(Spa)	Spanish
(Est)	Estonian	(Lav)	Latvian	(Swe)	Swedish
(Fin)	Finnish	(Lit)	Lithuanian	(Tha)	Thai
(Fle)	Flemish	(Mac)	Macedonian	(Tur)	Turkish
(Fre)	French	(Nor)	Norwegian	(Ukr)	Ukrainian

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

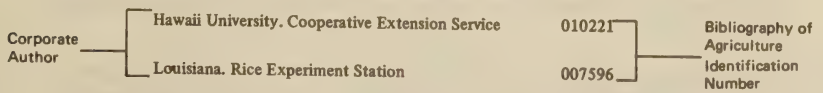
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow The Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U.S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from The Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in The Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

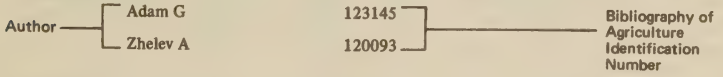
CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.



AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.



SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan his search in terms of the most specific natural language term prior to searching under a scientific term. However, note that the vocabulary is an open ended one and new terms are added each month. Undoubtedly readers will be more keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 25,000 terms. The file is organized so that in most cases synonymous terms are grouped together under a single subject heading. Thus singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based, appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in bold face type. The alphabetic sequence is by the secondary (bold face) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

CHEESES

Production and sale of *Gorgonzola* **cheese** [Prices, trade, productive capacity]. 227693

The **cheese** *industry*. 227819

Information for the consumer and advertising abroad of typical *Italian* **cheeses** [Prices]. 227689

Not enough to produce—Sale of *Italian* **cheeses** urgency of modern forms and efficient structures [Prices, trade].

Many general terms were deleted from the control vocabulary in 1975, and work is underway on the establishment of a more complete list of specific terms. Each subsequent issue will reflect this work. The *Thesaurus of Agricultural Terms*, published in 1976, reflects all the changes made in the control vocabulary through December 1975.

The last item of each entry in the Subject Index is the six digit *Bibliography of Agriculture* identification number. Use this number to locate the complete main entry citation in the monthly issues.

AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

Microfilms:	$1.00 for each 30 pages or fraction copied from a single article or book
Electrostatic Copies:	$2.00 for each 10 pages or fraction copied from a single article or book.

Payment must accompany the order. Cash, library coupons, check, or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Library coupons, valued at $1.00 each, may be purchased in any quantity from the Library's Photocopying Service.

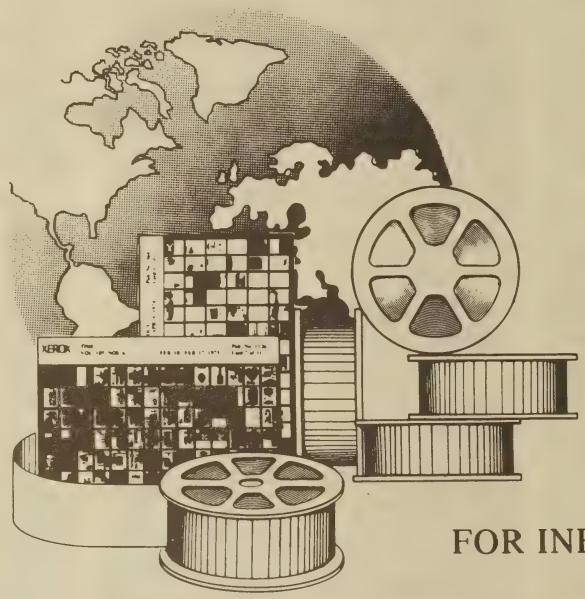
LIST OF JOURNAL TITLE ABBREVIATIONS CITED

A E Ext N Y State Coll Agric Life Sci Dep Agric Econ
A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State COll Agric Life Sci
Abeille Fr Apicul
Abreuvoir
Abstr Weed Soc Am
Acad Agric Fr C R Seances
Act Rep Res Dev Assoc
Acta Agrar Silv, Ser Agrar
Acta Aliment Pol
Acta Biochim Biophys
Acta Bot Neerl
Acta Endocrinol
Acta Oecon
Acta Palaeobot
Acta Physiol Scand
Acta Theriol
Acta Vet Scand
Acta Zool Pathol Antverp
ADC Semin Rep Agric Dev Counc
Adv Biochem Eng
Adv Environ Sci Technol
Adv Food Res
Adv Protein Chem
Advis Leafl G B Minist Agric Fish Food
AE & RS Pa State Univ Dep Agric Econ Rural Soc
Afr Rural Econ Pap Mich State Univ Dep Agric Econ
Afrikanerbees J
AG Econ Rep Fla Agric Exp Stn Gainesville
Agents Actions
Agrarmarkt-Stud Inst Agrarpolitik Marktlehre Univ Kiel
Agrarwirtschaft
Agribusiness Decis
Agric Econ Rep Dep Agric Econ Mich State Univ
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Educ
Agric Eng (St Joseph, Mich)
Agric Gaz N S W
Agric Handb U S Dep Agric
Agric Inf Bull U S Dep Agric
Agric Res
Agric Situat India India Dir Econ Stat
Agriculture (Paris)
Agro Sur
Agrociencia
Agro-Ecosystems (Amsterdam)
Agrologist
Agron Res Rep La State Univ Agric Mech Coll Dep Agron
Agrow-Marketer
Ahrokhimiia Hruntozn
Ala For Prod
Am Christmas Tree J
Am Dairy Rev
Am Fern J
Am J Anat
Am J Clin Nutr
Am J Diseases Children
Am J Nursing
Am J Physiol
Am J Public Health
Am Mus Novit
Am Nurserym
Am Potato J
Am Rose Annu Am Rose Soc
Am Veg Grow
Amat Gard
Amer J Clin Nutr
Amer Sch & Univ
Amer School Board J
An Inst Nac Invest Agrar Ser Recur Nat
An Soc Entomol Bras
An Soc Rural Argent
Anim Anim Prod Can Dep Agric Inf Div
Anim Feed Sci Technol
Anim Nutr Health
Anim Prod
Anim Regul Stud
Ann Agron
Ann Appl Biol
Ann Ist Sper Zootec (Rome)
Ann Med Vet
Ann N Y Acad Sci
Ann Sci Nat Bot Biol Veg
Ann Tech Agric
Ann Trop Med Parasitol
Ann Zootech
Annu Prog Rep La Rice Exp Stn
Annu Rep Coffee Res Found
Annu Rep Consult Comm Colombo Plan Cooper Econ Dev South South East Asia
Annu Rep Natl Vet Assay Lab
Annu Rep Proc Oreg Hortic Soc
Annu Rev Ecol Syst
Annu Rev Energy
Applied Environ Microbiol
Appropriate Technol
Aquaculture
Arable Farming
Arastirma Eserleri Serisi Bolge Zirai Mucadele Arastirma Enst Mudurlugu
Arb Gebiet Futterbaues
Arboric Fruit
Arch Biochem Biophys
Arch Latinoam Nutr
Arch Med Vet
Arkansas Farm Res
Arq Esc Vet Univ Fed Minas Gerais
Arsb Foren Skogstradsfor
Arsberet Vedkomm Nor Fisk Norw Fiskeridir
ARS-NC U S Agric Res Serv North Cent Reg
ARS-NE U S Agric Res Serv Northeast Reg
ARS-S U S Agric Res Serv South Reg
ARS-W U S Agric Res Serv West Reg
Atmos Environ
Audiovisual Instruction
Aust For Ind J
Aust J Agric Res
Aust J Biol Sci
Aust J Chem
Aust J Ecol
Aust J Exp Biol Med Sci
Aust J Zool
Australas Environ
Barley Genet Newsl
Bedrijfsontwikkeling
Beef Res Rep (Canberra)
Behav Ecol Sociobiol
Behav Processes
Behaviour
Beitr Entwicklungsgesch Zuckerwirtsch Zuckerind
Beitr Forstwirtsch
Beitr Tabakforsch
Ber Schweiz Bot Ges
Beret Statens Foderstofkontrol
Beret Statens Husdyrbrugsfors
Bergland, Bob Selmer (Addresses, Statements, Etc.)
Better Crops Plant Food
BF Butter-Fat Mag
Bibl Lichenol
Bienenpflege
Big Farm Manage
Biochem Biophys Res Commun
Biochem Exp Biol
Biochem Genet
Biochem J
Biochem Physiol Pflanz
Biochemistry (Easton)
Biochim Biophys Acta
Biokhimiia
Biokompleksnye Issled Kaz
Biol Cell
Biol Conserv
Biol J Linn Soc
Biol Mem
Biol Reprod
Biologia Ser C Vseobecna Biol
Biom J
Biomedicine
BIOS
BioScience Am Inst Biol Sci
Biotechnol Bioeng
Biotropica
Biul Vses Inst Gel'mintol
Biull Nauchn Rabot Vses Nauchno-Issled Inst Zhivotnovod
Blood
Bois Forets Trop
Bol Cear Agron
Bol Soc Mex Micol
Bol Tec Chile Estac Exp Agron Maipu
Bol Tec Inst Colomb Agropecu Oficina Invest Espec
Boll Mus Civ Stor Nat Verona
Boll Soc Ital Biol Sper
Bot Mag
Bot Mar
Bot Mus Leafl Harv Univ
Boundary Layer Meteorol
Bovine Pract
Br Food J
Br J Nutr
Br Sugar Beet Rev
Bragantia
Brenesia
Brew Dig
Broil Ind
Bul Kebun Raya
Bull Acad Vet Fr
Bull Am Assoc Bot Gard Arboreta
Bull Anciens Eleves Ec Meun
Bull Coniferous For Biome
Bull Conn Univ Coop Ext Serv
Bull Entomol Soc Can
Bull Environ Contam Toxicol
Bull H N S W Dep Agric Div Hortic
Bull Idaho Agric Exp Stn Univ Idaho Coll Agric
Bull Inst Agric Res Tohoku Univ
Bull Inst Zool Acad Sin
Bull Kyushu Agric Exp Stn
Bull Miss Agric For Exp Stn
Bull N D Geol Surv
Bull N Z Dep Sci Ind Res
Bull Natl Inst Anim Ind (Chiba Shi)
Bull Penelitian Hortik
Bull Schweiz Verb Ing-Agron Lebensmitteling
Bull Sci Sect A Sci Nat Tech Med Akad Savet FNRJ
Bull Soc Sci Hyg Aliment
Bull Soc Zool Fr
Bull South Calif Acad Sci
Bull SROP Int Organ Biol Control Noxious Anim Plants West Palearctic Reg Sec
Bull State Fruit Exp Stn Southwest Mo State Univ Mt Grove
Bull Taiwan For Res Inst
Bull Tech Inf Minist Agric (Paris)
Bull Tohoku Natl Agric Exp Stn
Bull Trimest Soc Mycol Fr
Bull Univ Tenn Agric Exp Stn
Bull Va Polytech Inst State Univ Wood Res Wood Constr Lab
Bull Va Water Resour Res Cent Va Polytech Inst State Univ
Bull Vet Inst Pulawy
Bull Victoria Univ Manch Dep Agric Econ
Bull West Aust For Dep
Bull World Health Organ
Bull Wyo Agric Exp Stn
Bull Wyo Univ Agric Ext Serv
C Coop Ext Serv Kans State Univ
Cactus Succulent J
Cafe Cacao The
Cah I E A (Inst Econ Agric Brux)
Calcif Tissue Res
Calif Cattlem
Calif Farmer (Cent Ed)
Calif Vet
Camellia J
Can Field Nat
Can Fruitgrower
Can Geogr J
Can J Biochem
Can J Microbiol
Can J Public Health
Can J Zool
Canopy
Carol Camellias
Carte Pedol Fr Moy Echelle Publ
Cattleman
CEER Chem Econ Eng Rev
Cell Immunol
Cell Tissue Res
Cellul Carta
Cereal Foods World
Cerrado
CFL Res Rep La State Univ Agric Mech Coll Cotton Fiber Lab
Champignon
Chem Ber Ges Dtsch Chem
Chem Biol Interactions
Chem Commun
Chem Mikrobiol Technol Lebensm
Chem Phys Lipids
Chem Spozyw
Chemosphere
Cienc For
Cienc Invest Agrar
Circ Clemson Univ Ext Serv
Circ S C Agric Exp Stn
Citrograph
Citrus Sub-Trop Fruit J
Citrus Veg Mag
Clim Change
Clin Toxicol
CNI Weekly Rep
Coll Leafl North Scotl Coll Agric
Collect Czech Chem Commun
Collect Ecol
Colture Protette
Comb Proc Annu Meet Int Plant Propag Soc
Comm Bull N S W Dep Agric Div Mark Econ
Commentat Biol Suom Tiedeseura
Commerce
Commonw For Rev
Compr Virol
Conn Greenhouse Newsl
Conn Woodl
Consumer Reports
Contemporary Nutr
Contrib Cent Res Inst Agric (Bogor)
Cooking for Profit
Coop Plant Pest Rep U S Anim Plant Health Insp Serv Plant Prot Quar Programs
Cornell Agric Econ Staff Pap
Cornell Hotel Restaurant Admin Quarterly
Cosmet Toiletries
Coton Fibres Trop
Cotton Qual U S Consum Mark Serv Cotton Div Mark News Serv
Countryside
Cow Moos
CRC Crit Rev Food Sci Nutr (Chem Rubber Co)
CSIRO Food Res Q
Ctry Life
Cultivar
Cutler, Malcolm Rupert (Addresses, Statements, Etc.)
Cytologia
Dairy Farmer Dairy Beef Prod
Dairy Ind Int
Dairy Notes Calif Univ Berkeley Coop Ext
Dairy Tales
Dairy Technol
Dan Bot Ark
Dan Geol Unders
Dan Skovforen Tidsskr
Dan Veterinaertidsskr
Davidsonia
Delt Hellen Kteniatr Hetair
Dep Inf Rep Texas A M Univ Dep Agric Econ
Dep Pap Coll Trop Agric Hawaii Agric Exp Stn Univ Hawaii
Dev Biol
Dev Comp Immunol
Diabetes
Differentiation
Dokl Akad Nauk Az SSR
Dokl Akad Nauk BSSR
Dokl Akad Nauk SSSR
Dokl Akad Nauk Tadzh SSR
Dokl Akad Nauk Uzb SSR
Dokl Vses Akad S-kh Nauk
Dossier K2O
Dostizh Nauki Peredovoi Opyt Sel'sk Khoz Ser 1 Zemled Rastenievod
Dtsch Muller Ztg
Durum Wheat Notes
East Grape Grow
Ecol Entomol
Ecol Food Nutr
Ecol Monogr
Ecol Res Ser
Ecologist
Econ & Polit Wkly

Econ Hist Rev
Econ Inf Rep Fla Univ Food Resour Econ Dep
Econ Rep Minn Univ Dep Agric Appl Econ
Econ Res Rep Dep Econ N C State Univ Raleigh
Econ Rurale Soc Fr Econ Rurale
Edesipar
Educ Chem
Egypt Cotton Gaz
Egypt J Agron
Egypt J Physiol Sci
Ekologiia
Ekon Poljopr
Ekon Sov Ukr
EL Arkansas Univ Coop Ext Serv
EM Coop Ext Serv Coll Agric Wash State Univ
Empress Chinchilla Breeder
Endocrinology
Entomol Ber (Amsterdam)
Entomol Bl
Entomol Ger
Entomol Rec J Var
Entomol Tidskr
Entomon
Environ Comment
Environ Monit Ser
Environ Plann A
Environ Pollut
Environ Rev
EPA J U S Environ Prot Agency
ERFA (Erdogazdasag Faipar)
ERS U S Dep Agric Econ Res Serv
ESC U S Fed Ext Ser
Eur J Appl Microbiol
Eur J For Pathol
Eurofruit
Exch Bibliogr Counc Plann Libr
Exp Cell Res
Ext Bull Agric Ext Serv Univ Minn
Ext Bull Oreg State Univ Ext Serv
Ext Circ Oreg State Univ Ext Serv
Ext Eng Kans
Ext Eng Kans Electrif
Ext Fol Agric Ext Serv Univ Minn
F. O. Licht's Int Sugar Rep
Faipar
Fam Econ Rev
Farm Build News
Farm Ed Sci
Farm Fact
Farm For
Farm Front
Farm Mach
Farm Water Supply Leafl G B Minist Agric Fish Food
Farmers Bull U S Dep Agric
Fauna Fenn Soc Fauna Flora Fenn
Faune Madagascar
FCS Res Rep Farmer Coop Serv U S Dep Agric
Feedlot Manage
Feedstuffs
Feline Pract
Fieldiana Bot
Fisheries
Fitopathol Bras
Fiziol Biokhim Kult Rast
Fjaderfa
Fla Entomol
Fla Flower Grow
Fla Food Resour Econ
Fla Grower & Rancher
Fla Mar Res Publ
Fleuriade
Flora Fauna
Flora Neotrop Monogr
Flora Slodkowodna Pol Pol Akad Nauk Inst Bot
Floresta (Curitiba)
Florists Rev
Folia Biol (Krakow)
Folia Entomol Mex
Folia Geobot Phytotaxon
Folia Parasit
Folia Vet Lat
Food Cosmet Toxicol
Food Eng
Food Home Notes
Food Ind S Afr
Food Management
Food Manuf
Food Nutr
Food Nutr (Rome)
Food Process Ind
Food Prod Dev
Food Prod/Manage
Food Serv Mark
Food Technol
Food Technol N Z
For Chron
For Insect Dis Leafl U S Dep Agric For Serv
For Prod J
For Prod Notes
Forecast Home Econ
Foreign Agric Circ Coffee FCOF U S Foreign Agric Serv
Foreign Agric Circ Dairy FD U S Foreign Agric Serv
Foreign Agric Circ FOP U S Foreign Agric Serv
Foreign Agric Circ Fresh Process Citrus Fruits FCF U S Foreign Agric Serv
Foreign Agric Circ Fresh Processed Veg FVEG U S Foreign Agric Serv
Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv
Foreign Agric Circ, Honey FHON (U S Dep Agric)
Foreign Agric Circ Livest Meat FLM MT U S Foreign Agric Serv
Foreign Agric Circ Tob FT U S Foreign Agric Serv
Foreign Agric Econ Rep U S Dep Agric Econ Res Serv
Foreign Agric Trade U S Dep Agric Econ Res Serv
Foreign Agric U S Foreign Agric Serv
Forestry
Forpridecom Tech Note For Prod Res Ind Dev Comm
Forschungsber Forstl Forschungsanst Munchen
Forschungsber Inst Zuckerind Versuchsanst Zuckertechnol
Fortschr Veterinarmed
Fragm Entomol
Fragm Florist Geobot Pol Akad Nauk Inst Bot
Front Plant Sci
Frugtavleren
Fruit Belg
Fruit Veg Facts Pointers
Fruits & Abeilles
Ga Vet
Gabonaipar
Gard Bull Singapore
Garden (N Y)
Gaz Chim Ital
Gaz Cukrow
GC HTJ
Gen Tech Rep PSW Pac Southwest For Range Exp Stn USDA For Serv
Genet Res
Genet Sel
Genetics
Geoponika
Gestencild Versl Lab Tuinbouwplantenteelt Landbouwhogesch (Wageningen)
Gewasprod Crop Prod
Glas Hem Drush
Glas Prir Muz Beogr, Ser A Mineral Geol Paleontol
Glean Bee Cult
Gorsko Stopanstvo
Gottinger Bodend Ber
Gozdar Vestn
Grain Prod News
Grain Storage Process Mark Rep
Great Lakes Entomol
Ground Water
Grundforbattring
Grune
Haven
Helgolander Wiss Meeresunters Mar Invest
Helv Chim Acta
Herba Pol
Hereditas
Heredity
Hidrol Kozl
Hilgardia
Hist Med Vet
Hoards Dairym
Hodowca Drobnego Inwentarza
Holz Roh Werkst
Home Gard Bull U S Dep Agric Hortsci
Hospitals
Hua Hsueh T'ung Pao (Hauxue Tongbao)
Hunter Nat Hist
Hydrometeorol Rep U S Natl Oceanic Atmos Adm
Iberflora
Ill Res
Immunolo Commun
Immunology
In Agriculture and Energy. W. Lockeretz, ed.
In Applications in Agricultural Modelling; Refresher Training Workshop
In Arboretum Kornickie
In Cell Wall Biochemistry Related To Specificity In Host-Plant Pathogen Interactions; Proc Of A Symposium
In Cereal Production in Times of Change; Proceedings of The NIAB (Nat Inst Agric Bot) Crop Conference
In Comparative Clinical Haematology. R. K. Archer & L. B. Jeffcott, eds.
In Conference on Probability & Statistics in Atmospheric Sciences
In Dimensions of Social Change in India; Papers of the National Seminar
In Ecophysiology of Tropical Crops. P de T. Alvim & T. T. Kozlowski, eds.
In Effects of Hydrocolloids on Productive Value and Feeding Characteristics of Barley. B. Gohl, ed.
In Endocrinology; Proceedings of the International Congress
In Energy in Agriculture; Research Needs in the Southern Region
In Estuarine Pollution Control and Assessment: Proceedings of a Conference
In Fate of Pesticides in Large Animals. G. W. Ivie & H. W. Dorough, eds.
In Folic Acid; Biochemistry & Physiology In Relation To The Human Nutrition Requirement. Proc Workshop
In Food Proteins. J. R. Whitaker and S. R. Tannenbaum, eds.
In Forensic Medicine. C. G. Tedeschi, W. G. Eckert & L. G. Tedeschi, eds.
In Genetics & Biogenesis of Chloroplasts & Mitochondria; Proceedings of the Interdisciplinary Conference
In Genofond sel'skokhoziaistvennoi ptitsy. S. I. Smetnev, ed.
In Heliotechnique and Development; Proceedings of the International Conference
In Intermediate Moisture Foods. R. Davies, G. G. Birch & K. J. Parker, eds.
In Invertebrate Tissue Culture; Research Applications. K. Maramorosch, ed.
In Le Materiel d'irrigation localisee et les problemes poses par son utilisation
In Managing Saline Water for Irrigation; Proceedings of the International Salinity Conference
In Mechanisms and Control of Cell Division. T. L. Rost & E. M. Gifford, Jr., eds.
In Mikroelementy V Zhivotnovodstve I Rastenievodstve. R. N. Odynets, V. G. IAkovlev & E. M. Tokobaev, eds.
In Molybdenum in the Environment; Proceedings of an International Symposium
In New Nat Prod & Plant Drugs Pharmacol Biol Ther Act; Proc Int Congr Med Res
In Numerical Methods in Geomechanics; Papers of the International Conference
In Pattern Analysis in Agricultural Science. W. T. Williams, ed.
In Plant Structure, Function & Adaptation. M. A. Hall, ed.
In Proceeding of a Seminar on The Future of the Family Farm In Europe
In Proceedings of Symposium on Use of Solar Energy for Poultry and Livestock Production
In Proceedings of the IEEE [Institute of Electrical And Electronics Engineers] Conference on Decision & Control
In Proceedings of the International Barley Genetics Symposium
In Proceedings of the International Symposium on Nitrite in Meat Products
In Proceedings of the IUFRO (International Union of Forestry Research Organizations) Conference on Wood Gluing
In Proceedings of the Symposium on Climate & Rice
In Proceedings of the World Veterinary Congress
In Quantitative Methods in the Study of Animal Behavior. B. A. Hazlett, ed.
In Radiation Chemistry of Major Food Components. P. S. Elias& A. J. Cohen, eds.
In Science and Technology in India. B. R. Nanda, ed.
In Science for Better Environment; Proceedings of the International Congress on the Human Environment
In Symposium on Inland Waterways for Navigation, Flood Control and Water Diversions
In Systemic Fungicides. R. W. Marsh, ed.
In TAPPI Environmental Conference; Papers
In The Major Histocompatibility System in Man & Animals. D. Gotze, ed.
In Uneven-Aged Silviculture and Management; Proceedings of an In-Service Workshop
In Vitro J Tissue Cult Assoc
Ind Aliment Anim
Ind Conserv
Ind Saccarif Ital
Indian Drugs
Indian J Agric Econ
Indian J Agric Sci
Indian J Pharm
Indian Poult Rev
Induced Mutations in Cross-Breeding
Indus
Inf Lehr Beratungsm
Inf Rep FMR-X For Manage Inst Ottawa
Inf Rep VP-X West For Prod Lab Vancouver
Inf Sheet Coop Ext Serv Miss State Univ
Infect Immun
Insectes Soc
Instit Distrib
Instit/vol Feeding
Int Biodeterior Bull
Int J Biochem
Int J Peptide Protein Res
Int J Syst Bacteriol
Int Labor Rev
Int Rev Biochem
Int Sugar J
Interdep Publ ID Univ Ky Coop Ext Serv
Introd Aklim Rosl Ukr Akad Nauk URSR
Invest Prog Agric
Ir Vet J
Irrig Farmer
Isr J Bot
Izv Akad Nauk Mold SSR Ser Biol Khim Nauk
Izv Ser Geogr Akad Nauk SSSR
J Agric Assoc China
J Agric (Melb)
J Agric West Aust
J Air Pollut Control Assoc
J Am Chem Soc
J Am Diet Assoc
J Am Leather Chem Assoc
J Anat
J Anim Sci
J Apic Res
J Appl Bacteriol
J Appl Meteorol
J Appl Polym Sci
J Arboric
J Arnold Arbor
J Bacteriol
J Biochem (Tokyo)
J Biol Chem
J Biol Sci
J Can Diet Assoc
J Cell Biol
J Cell Physiol
J Cell Sci
J Chem Soc, Perkin Trans I
J Chin Soc Hortic Sci
J Chromatogr
J Clin Invest
J Colloid Interface Sci
J Dairy Res
J Ecol
J Elisha Mitchell Sci Soc
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Occas Symp Br Grassl Soc
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Oecol Plant
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Ohio Rep Res Dev Agric Home Econ Nat Resour
Okajimas Folia Anat Jap
OKL Arb Osterreichisches Kuratorium Landtech
Oreg Agric Prog
Org Gard Farming
Ornamentals Northwest
Oryza
Overz Landbouw Econ Inst Ovtsevodstvo
PA U S Dep Agric
Pac Hortic
Pap Int Rice Res Inst Agric Eng Dep
Papier
Parazitologiia
PB U S Natl Tech Inf Serv
PCT Pest Control Technol
Pecan South
Pediatrics
Pepinier Hortic Maraich
Perfum Flavorist
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PM Iowa State Univ Sci Technol Ames Coop Ext Serv
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USGA Green Sect Rec (U S Golf Assoc)
Usp Sovrem Biol
Varstvo Narvave
Veg Grow News
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S537.M3A24

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100 AR42R

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S51.E2

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S51.E2

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290.9 P97E

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S543.T4T43

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S543.T4T43

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S543.T4T43

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S51.E22
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S544.3.M6M6
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S544.3.M6M6
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S95.E23
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100 T31TE
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281.9 C81AE

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281.9 C81AE

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281.9 C81AE

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275.29 C76B

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275.29 C76B

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275.29 C76B

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275.29 C76B

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275.29 C76B

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275.29 C76B

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275.29 C76B

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275.29 C76B

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275.29 W99B

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275.29 W99B

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275.29 W99B

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275.29 W99B

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275.29 W99B

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C Coop Ext Serv Kans State Univ

275.29 K13EX

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QK480.P6K6
Observations on the resistance of poplar hybrids from section Leuce Duby, to infection by Venturia tremulae Aderh. Siwecki, R *In Arboretum Kornickie* P. 285-295. 1968 (Transl. 1974)

WEEDS AND HERBICIDES

QK480.P6K6
Mistletoe (Viscum album L.) [plant semiparasite] at the Kornik Arboretum [Hosts]. Bojarczuk, T *In Arboretum Kornickie* P. 143-154. Ref. 1968 (Transl. 1974)

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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agricultural and allied sciences. It is based upon indexing records found in AGRICOLA (AGRICultural On-Line Access), the computerized bibliographic data files distributed by the National Agricultural Library. These files are prepared by four sources: U. S. National Agricultural Library (NAL); Food and Nutrition Information Center (FNIC); American Agricultural Economics Documentation Center (AAEDC); and Agriculture Canada (AgCanada). The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from worldwide sources. The Bibliography includes citations of journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation, Lockheed Information Systems, and Bibliographic Retrieval Services.

Publications are considered for indexing by NAL if a summary, abstract or title is available in a language in which the indexers have expertise. Articles of substantial interest to the agricultural community are selected by specialists on the staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not generally included. Indexing on the processing of agricultural products is limited to those on primary processing. In general, material must have been published in the current year or the preceding year to be included by NAL, but exceptions are made for comprehensive volumes or works of special significance to a wide audience. Articles which would not otherwise be indexed in the *Bibliography of Agriculture* are included for USDA authored, sponsored, or published materials. FNIC and AAEDC place no limitation on date of publication for entry into the data base. Abstracts and subject terms provided by FNIC and AAEDC are not published, although they are available in AGRICOLA.

The Bibliography is divided into ten sections: A main entry section, five main entry subsections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a List of Journal Title Abbreviations Cited in each issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides descriptive bibliographic data for records added to the AGRICOLA files during the preceding month.

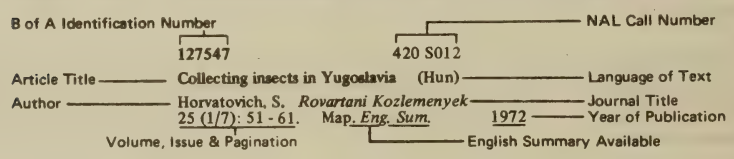
Entries are assigned to one or two of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Most entries begin with a six-digit identification number; however, when two categories are assigned to an entry, only the primary category carries the ID number. This number, which is assigned sequentially throughout a volume year, serves as an identifier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the Library. Agricultural economics items not cataloged by NAL have an identification number in the call number position. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations.

(Afr)	Afrikaans	(Geo)	Georgian	(Pol)	Polish
(Alb)	Albanian	(Ger)	German	(Por)	Portuguese
(Arm)	Armenian	(Gre)	Greek	(Rum)	Rumanian
(Aze)	Azerbaijani	(Heb)	Hebrew	(Rus)	Russian
(Bel)	Belorussian	(Hun)	Hungarian	(Scc)	Serbo-Croatian (Cyrillic)
(Bul)	Bulgarian	(Ice)	Icelandic		
(Bur)	Burmese	(Ind)	Indonesian	(Scr)	Serbo-Croatian (Roman)
(Chi)	Chinese	(Ita)	Italian		
(Cze)	Czech	(Jpn)	Japanese	(Slo)	Slovak
(Dan)	Danish	(Kor)	Korean	(Slv)	Slovenian
(Dut)	Dutch	(Lat)	Latin	(Spa)	Spanish
(Est)	Estonian	(Lav)	Latvian	(Swe)	Swedish
(Fin)	Finnish	(Lit)	Lithuanian	(Tha)	Thai
(Fle)	Flemish	(Mac)	Macedonian	(Tur)	Turkish
(Fre)	French	(Nor)	Norwegian	(Ukr)	Ukrainian

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

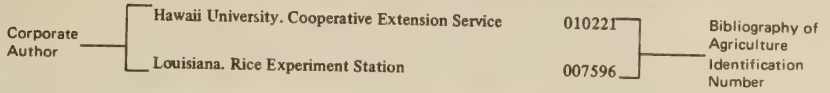
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow the Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U. S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from the Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in the Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal to constantly increase access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles have geographic entries. Geographic descriptors are added whenever they are germane to the subject of the article.

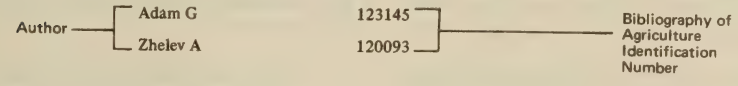
CORPORATE AUTHOR INDEX

In addition to corporate authors, this index includes listings for other selected corporate bodies which publish extensively in the agricultural field. Included are USDA authored, published or sponsored publications, and publications of the State Agricultural Experiment Stations, Extension Services and the FAO. For all entries the full corporate citation is given, followed by the six-digit identification number referring to its appropriate main entry.



PERSONAL AUTHOR INDEX

All personal authors' names (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six-digit identification number referring to the bibliographic data in the main entry section.



SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan to search in terms of the most specific natural-language term prior to searching under a scientific term. However, the reader should note that the vocabulary is an open-ended one and new terms are added each month. Undoubtedly, readers will be more

keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the Library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 38,000 terms. The file is organized so that in many cases synonymous terms are grouped together under a single subject heading. Thus, singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in boldface type. The alphabetic sequence is by the secondary (boldface) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

CHEESES
Alkylpyrazines in processed **American** *cheese*. 022750
Cheddar *cheese* made with bovine pepsin. I. Yield and quality of cheese. 022755
Hydrolysis of milk proteins by bacteria [Brevibacterium linens, Propionibacterium shermanii] used in *cheese* making. 022751
Sensory evaluation of meat products containing **coagulated** *cheese* whey lactalbumin [Dairy waste utilization]. 022758
Enrichment of pasta with **cottage** *cheese* whey proteins. 022413
Change of impurity provisions of the *cheese* and **dairy** product decrees [Legislation, consumer protection]. 021927
Enzymes of Penicillium roqueforti [mold] involved in the biosynthesis of *cheese* **flavor.** 022725
Novel caseinate—effects natural functional properties for **imitation** *cheese*. 022730
The present cheese situation and international activity for **increasing** *cheese* production in developing countries [Prospects, programs and economic aspects]. 021632
Is the powdered skimmed milk problem a threat for the *cheese* **industry?** [Marketing]. 021524
The **present** *cheese* situation and international activity for increasing cheese production in developing countries [Prospects, programs and economic aspects]. 021632
Partially delactosed whey used as NFDM [nonfat dry milk] replacement in **process** *cheese* food offers economic advantages. 022731
Cheddar cheese made with bovine pepsin. I. Yield and **quality** of *cheese*. 022755
Free fatty acids and products of their transformations in **rennet** *cheeses*. 022795
Xanthan gum galactomannan system improves functionality of *cheese* **spreads.** 022732
Comparative evaluation of three media used for detection of **staphylococci** in *cheese*. 021751
Influence exercised by [the yeast] Saccharomyces oviformis during maturation of **Teleme** *cheese*. 022801
Characteristics of Norwegian **whey** *"cheese"*. 022733
Microbial quality of *cheese* **whey** samples from various factories in southern Ontario [Feed contamination, water pollution]. 023376

Many general terms have been deleted from the control vocabulary since 1975, and work has just been finished on a more complete list of specific terms. *Agricultural Terms,* the second edition of the *Thesaurus of Agricultural Terms,* reflects all the changes made in the control vocabulary through December 1977. This second edition is now available.

The last item of each entry in the Subject Index is the six-digit *Bibliography of Agriculture* Identification Number. Use this number to locate the complete main entry citation in the monthly issues.

AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

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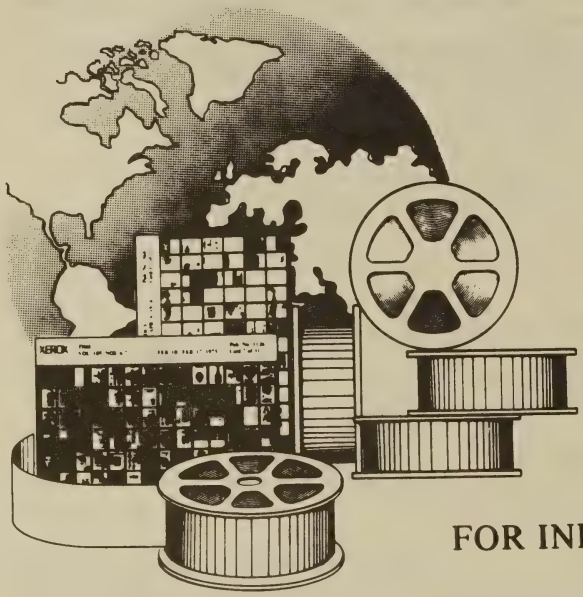
graphic copies of documents may be purchased from the Photoduplication Service of the National Agricultural Library, U. S. Department of Agriculture, Beltsville, Maryland 20705. Such requests must include the complete citation as well as the Library's call number or, for agricultural economics items not cataloged by the National Agricultural Library, the identification number in the call number position.

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A E Ext N Y State Coll Agric Life Sci Dep Agric Econ
A E S C Agric Exp Stn
Acad Agric Fr C R Seances
Acta Agrar Silv, Ser Zootech
Acta Biochim Pol
Acta Bot Neerl
Acta Chem Scand Ser B Org Chem Biochem
Acta Chim
Acta Entomol Bohemoslov
Acta Fac Rerum Nat Univ Comenianae Physiol Plant
Acta Hortic
Acta Microbiol
Acta Microbiol Pol
Acta Protozool
Acta Vet (Belgr)
Acta Vet Scand
Acta Virol
ADC Semin Rep Agric Dev Counc
Adv Vet Sci Comp Med
Advis Leafl G B Minist Agric Fish Food
AE & RS Pa State Univ Dep Agric Econ Rural Soc
AERR Ill Univ Dep Agric Econ
AG Econ Rep Fla Agric Exp Stn Gainesville
Aggregative Programm Model Aust Agric APMAA Rep
Agrarwirtschaft
Agrarwirtschaft Sonderh
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Educ
Agric Eng (St Joseph, Mich)
Agric Handb U S Dep Agric
Agric Hist
Agric Inf Bull U S Dep Agric
Agric Mach J
Agric Prog (Shrewsbury)
Agric Res Organ Div For Ilanot
Agric Situat India India Dir Econ Stat
Agric Situat U S Dep Agric Stat Rep Serv
Agric Syst
Agrichem Age
Agrohemija
Agron Glas
Agron J
Agron Prog Rep
Agron Trop (Paris)
Agroplantae
Agrotike
Agrow-Marketer
Ala Agribus
Ala For Prod
Alaska Conserv Rev
Allg Dtsch Imkerztg
Am Bee J
Am Coop, Am Inst Coop
Am For
Am Hortic
Am J Bot
Am J Clin Nutr
Am J Nursing
Am J Public Health
Am J Vet Res
Am Nurserym
Am Orchid Soc Bull
Am Potato J
Amer J Clin Nutr
Anal Methods Pestic Plant Growth Regul
Anat Rec
Anim Blood Groups Biochem Genet
Ann Chim (Rome)
Ann Entomol Soc Am
Ann Falsif Expert Chim
Ann Nutr Aliment
Ann Parasitol Hum Comp
Ann Pharm Fr
Ann Univ Mariae Curie-Sklodowsk Sect AA
Annee Biol
Annu Prog Rep Southeast La Dairy Pasture Exp Stn
Annu Rep Can Seed Grow Assoc
Annu Rev Genet
APDC Newsl (Agric Pests Destr Counc)
Applied Environ Microbiol
Appropriate Technol
Aquaculture
Arboric Fruit
Arch Biochem Biophys
Arch Environ Health
Arch Ital Anat Embriol
Arch Ital Biol
Arch Lebensm Hyg
Arch Pharm Ber Dtsch Pharm Ges
Arch Phytopathol Pflanzenschutz
Arch Tierernahr
Arch Virol
Arecanut Spices Bull
ARS-H U S Agric Res Serv
ARS-NC U S Agric Res Serv North Cent Reg
ARS-NE U S Agric Res Serv Northeast Reg
ARS-S U S Agric Res Serv South Reg
ARS-W U S Agric Res Serv West Reg
Atmos Environ
Audiovisual Instruction
Aust J Agric Econ
Aust J Biol Sci
Bedrijfsontwikkeling
Beitr Kryptogamenflora Schweiz
Beitr Trop Landwirtsch Veterinarmed
Belg Apic
Ber Dtsch Bot Ges
Beret Statens Husdyrbrugsfors
Berita Selulosa
Berl Munch Tierarztl Wochenschr
Beszam Rep Viszazdalkod Tud Kut Intez
Betriebswirtsch Mitt Wirtschaftsberat
Bhagirath
Biatas, The Tillage Farmer
Bibliogr Ser Inst Pap Chem
Biene
Bienenpflege
Bienenvater
Bienenwelt
Big Farm Manage
Bi-Mon Res Notes Can For Serv
Biochem Biophys Res Commun
Biochem Syst Ecol
Biochemistry (Easton)
Biochim Biophys Acta
Biol Cell
Biol Chem Vyz Zvirat
Biol Conserv
Biol Moria
Biol Reprod
Biol Vestn
Biologia Ser A Bot
Biologia Ser B Zool
Biometrics
Bioorg Khim
BioScience Am Inst Biol Sci
Bitki Koruma Bul
Biull Gl Bot Sada
Biull Vses Inst Eksp Vet
Biull Vses Inst Rastenievod
Blood
Bois Forets Trop
Bol Eng Ed Pan Am Sanit Bur
Boll Chim Farm
Bonsai J
Bot J Linn Soc
Bot Monogr
Bot Rev
Bovine Pract
Bragantia
Brew Guardian
Bromatol Chem Toksykol
Brooklyn Bot Gard Rec Plants Gard
Brygmesteren Scand Brew Rev
Bull Agric Exp Stn Auburn Univ
Bull Am Assoc Bot Gard Arboreta
Bull Anciens Eleves Ec Meun
Bull B Okla Agric Exp Stn
Bull Chugoku Agric Exp Stn
Bull Coll Agric Utsunomiya Univ
Bull Conn Univ Coop Ext Serv
Bull Exp For Natl Taiwan Univ
Bull Exp For Tokyo Univ Agric Technol
Bull Fac Agric Kagoshima Univ
Bull Fac Agric Mie Univ Tsu Jap
Bull Fac Agric Shizuoka Univ
Bull Fac Agric Yamaguti Univ
Bull Hir Prefect Agric Exp Stn
Bull Hokuriku Natl Agric Exp Stn
Bull Inst Agric Res Tohoku Univ
Bull La Agric Exp Stn
Bull Miss Agric For Exp Stn
Bull Mus Comp Zool (Harvard Univ)
Bull N M Agric Exp Stn
Bull Natl Inst Agric Sci, Ser A Phys And Stat
Bull OEPP (Organ Eur Mediterr Prot Plant)
Bull P R Agric Exp Stn
Bull Pa Agric Exp Stn
Bull Pac Trop Bot Gard
Bull Penelitian Hortik
Bull Res Inst Nedri As
Bull Soc Zool Fr
Bull South Calif Acad Sci
Bull Tech Inf Minist Agric (Paris)
Bull Tex Agric Exp Stn
Bull Tex Crop Livest Rep Serv
Bull Tohoku Natl Agric Exp Stn
Bull Torrey Bot Club
Bull Trimest Acad Soc Lorraines Sci
Bull Univ Maine Orono Life Sci Agric Exp Stn
Bull Univ R I Coop Ext Serv
Bull Univ Tenn Agric Exp Stn
Bull Va Water Resour Res Cent Va Polytech Inst State Univ
Bull Wildl Soc
Bull World Health Organ
Bus Monit Rep Census Prod Agric Mach G B Dep Ind Bus Stat Off
Bus Monit Rep Census Prod Bread & Flour Confect G B Dep Ind Bus Stat Off
Bus Monit Rep Census Prod Milk & Milk Prod G B Dep Ind Bus Stat Off
Bus Monit Rep Census Prod Timber G B Dep Ind Bus Stat Off
C R Acad Bulg Sci
Cac Suc J
Cah Ing Agron
Calif Farmer (Cent Ed)
Calif Plant Pathol
Calif Vet
Can Entomol
Can J Physiol Pharmacol
Can J Public Health
Can J Zool
Can Wool Grow Sheep Breed
Cane Grow Q Bull Queensl Bur Sugar Exp Stn
Canopy
Castanea
Catena
Cell Tissue Res
Cellul Chem Technol
Cereal Chem
Ceres (Ions)
Champignon
Chem Biol Interactions
Chem Era
Chem Pharm Bull
Chem Soc Rev
Chesapeake Sci
Chromosoma
Chung-kuo Nung Yeh K'o Hsueh
Circ Agric Exp Stn Auburn Univ
Circ Coop Ext Serv Univ Hawaii
Circ Ill Univ Coop Ext Serv
Circ Inf Oreg Agric Exp Stn
Clays & Clay Miner
Clin Pediatrics
Clin Toxicol
CNI Weekly Rep
Collana Verde
Collect Czech Chem Commun
Comm Bull N S W Dep Agric Div Mark Econ
Commerce
Commodities
Commun Inst Tropen Afd Agrar Onderz
Commun Soil Sci Plant Anal
Comp Biochem & Physiol B, Comp Biochem
Comp Biochem & Physiol C, Comp Pharmacol
Compost Sci
Condor
Confect Prod
Consumer Reports
Contemporary Nutr
Contrib Cent Res Inst Agric (Bogor)
Contrib Univ Mich Herbar
Cooking for Profit
Coop Ext Pub La State Univ Agric Mech Coll Coop Ext Serv
Coop Plant Pest Rep U S Anim Plant Health Insp Serv Plant Prot Quar Programs
Countryside
CRC Crit Rev Environ Control (Chem Rubber Co)
CRC Crit Rev Toxicol (Chem Rubber Co)
Crop Sci
Ctry Life
Cult Dairy Prod J
Curr Inf Ser Idaho Univ Coop Ext Serv
Cutler, Malcolm Rupert (Addresses, Statements, Etc.)
Cytobiologie
Dairy Counc Dig
Dairy Herd Manage
Dairy Notes
Dairy Tales
Dairymen's Dig North Cent Reg Ed
Dan Geol Unders
Dan Veterinaertidsskr
Davidsonia
Delphinea
Dep Inf Rep Texas A M Univ Dep Agric Econ
Dev Biol
Dev Biol Stand
Dev Econ
Dev Grow Differ
Dig Int J Gastroenterol
Div Rep C S I R O Div Soils
Div Soils Tech Pap C S I R O
DNR Rep Wash (State) Dep Nat Resour
Dohanyipar
Dokl Akad Nauk Az SSR
Dokl Akad Nauk BSSR
Dokl Akad Nauk SSSR
Dokl TSKHA Timiriazevsk S-kh Akad
Down Earth
Drev Vysk
DTW (Dtsch Tierarztl Wochenschr)
DVM (Chicago)
Ecol Food Nutr
Ecol Res Ser
Ecologist
Ecology (Durham)
Econ & Polit Wkly
Econ Dig Ser Jt Comm Rural Reconstr
Econ Inf Rep Fla Univ Food Resour Econ Dep
Econ Plann
Econ Rurale Soc Fr Econ Rurale
Econ Soc Issues Calif Univ Davis Coop Ext Serv
Effluent Water Treat J
Ekistics
Ekon Poljopr
Ekon Sel'sk Khoz
Ekonomista
EL Arkansas Univ Coop Ext Serv
Elelmez Ipar
EM Coop Ext Serv Coll Agric Wash State Univ
Encycl Chem Process Des
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Eng Tech Rep ETR U S For Serv
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Entomol Ber (Amsterdam)
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Exp Cell Res
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Ext Bull Agric Ext Serv Univ Minn
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Folia Geobot Phytotaxon
Folia Microbiol
Folia Morphol
Food Chem
Food Eng
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Food Nutr Notes Rev
Food Policy (Sussex)
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Fortschrittsber Landwirtsch Nahrungsguterwirtsch
Frugtavleren
Fruit Sci Rep
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Fruits & Abeilles
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Gesunde Pflanz
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Glean Bee Cult
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Indian J Nutr Diet
Indian Poult Gaz
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J Am Soc Sugar Beet Technol
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J Amer Med Assoc
J Anim Ecol
J Appl Nutr
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J Biogeogr
J Biol Chem
J Br Grassl Soc
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J Equine Med Surg
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J Fac Agric Shinshu Univ
J Fish Res Board Can
J Food Prot
J Food Sci Tech (Tokyo)
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J Inst Wood Sci
J Invertebr Pathol
J Jap For Soc
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J Mol Biol
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J Parasitol
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J Proc Inst Agric Eng (Lond)
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J Steroid Biochem
J Submicrosc Cytol
J Therm Biol
J Toxicol Environ Health
J Turk Phytopathol
J Vet Med Educ
J Virol
J Water Pollut Control Fed
J Wildl Manage
Jap J Nutr
Jordbruksekon Medd
KB Mitt Schweiz Verb Kunstliche Besamung Schweiz Arbeitsgem KUnstliche Besamung
Kenya Cof
Khim Prir Soedin
Khim Zhizn
Khim-Farm Zh
Kholod Tekh
Kidma
Kistenyesztok Lapja
Kleintier Prax
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Landscape Plann
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Lantbrukshogsk Medd, Ser A
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Le Travailleur Canadien
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Medd Nor Tretek Inst
Meded Rijksuniv Fac Landbouwwet
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Metod Zavad Vysled Vyzk Praxe
Mets Puit Paber Les Drev Bum
Mezogazd Vilagirodalom
Mich Bot
Micron
Mikrochim Acta
Milchwirtsch Ber Bundesanst Wolfpassing Rotholz
Milchwissenschaft
Milk Ind
Milling Feed Fert
Minn Dairyman
Minn Hortic
Misc Pap Landbouwhogesch (Wageningen)
Misc Publ U S Dep Agric
Mitt Eidg Anst Forstl Versuchswes
Mitt Geb Lebensmittelunters Hyg Trav Chim Aliment Hyg Switz Gesundheitsamt

Mitt Naturwiss Ver Steiermark
Mitt Obstbauversuchring Jork
Mol Biol
Molk-Ztg Welt Milch
Monatsh Chem
Mosq Syst
MP Nebr Agric Exp Stn
Mucileria
Mushroom J
Mutat Res
Mycologia
Mycopathologia
Mykol Sb
N D Farm Res N D Agric Exp Stn
N D Farm Res N D Agric Exp Stn Kaia kharakteristika primorskoi rastitel'nosti
N Z J Sci
Nachrichtenbl Dtsch Pflanzenschutzd
Nahrung
Nat & Resour
Nat Hcimat
Nat Malays
Natl Arbor Contrib
Natl Food Situation
Natl Inst Anim Health Q (Tokyo)
Naturc
Nauchno-Tekh Biull Vses Scl-Genet Inst
Nav Stores Rev Terpene Chem
Neth J Agric Sci
Neue Bienenzucht
New Engl Fruit Meet Proc Annu Meet Mass Fruit Grow Assoc
New Engl J Med
New Sci (London)
NIAB Farmers Leafl (Natl Inst Agric Bot)
NIAB Veg Grow Leafl (Natl Inst Agric Bot)
NOAA Tech Rep NMFS Circ U S Nat Mar Fish Serv (Nat Oceanic Atmos Adm)
Nogyo Kisho J Agric Meteorol
Nor Skogind
Nord Hydrol
North Am Pomona
North Cent Reg Ext Publ
North Cent Reg Res Publ
North Log Timber Process
Nouv Avic
Nova Hedwigia Beih
NSDB Technol J
Nucleic Acids Res
Nutr Metab
Nutr News
Nutr Requir Domest Anim Natl Res Counc Comm Anim Nutr
Nutr Rev
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Obz Inf Vses Nauchno-Issled Inst Inf Tekh-Ekon Issled Sel'sk Khoz
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Ont Milk Prod
Orchid Biol Rev Perspect
Orchid Dig
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Outstate Test Circ Nebr Agric Exp Stn
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PA U S Dep Agric
Pac Insects
Pap Celul
Pap Puu
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Papier
Parasitol Sborn Akad Nauk Gruzinskoi SSR Inst Zool
Parasitology
Parks
PB U S Natl Tech Inf Serv
Peanut J Nutl World
Pediatrics
Pemberitaan Lembaga Penelitian Tanaman Ind
Personnel J
Pestic Biochem Physiol
Photo Story U S Northeast For Exp Stn
Photogrammetria
Phys Zool
Phytopathol Z
Phytopathology
Pig Farmer
Plant Dis Rep
Plant Ind News
Plant Med
Plant Soil
Planta
Plywood Panel Mag
PM Iowa State Univ Sci Technol Ames Coop Ext Serv
PNW Oreg State Univ Coop Ext Serv
Poljopr Znan Smotra
Pollumajandusokonoomika Kusimusi Akad Nauk Est SSR Inst Ekon
Potash Rev
Poult Patter Agric Ext Serv Univ Minn
Poult World/Poult Ind Manage Guide
Preise Preisindizes Land Forstwirtsch
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Proc Beltwide Cotton Prod Mech Conf
Proc Biol Colloq
Proc Biol Soc Wash
Proc Entomol Soc Wash
Proc Indian Acad Sci, Sec B
Proc K Ned Akad Wet, Ser C Biol Med Sci
Proc R Soc Lond, B Biol Sci
Prod Veg Hortic
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Prog Agric Vitic
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Revue Canadienne d'Economie Publique et Cooperative. Canadian Journal of Public and Cooperative Economy
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Sb UVTI Melior (Ustav Vedeckotech Inf)
Sb UVTI Sociol Zemed (Ustav Vedeckotech Inf)
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Schweiz Arch Tierheilkd
Schweiz Bienen-Zeitung
Schweiz Landwirtsch Monatsh
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Spec Bull R Bot Gard (Hamilton)
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Tech Bull Maine Life Sci Agric Exp Stn
Tech Bull Miss Agric For Exp Stn
Tech Bull N C Agric Exp Stn
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The Credit Union Way
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U S Agric Res Serv (Reprints of articles by ARS employees)
U S Congr House Comm Inter Insular Aff Subcomm Indian Aff Public Lands
U S D A For Serv Gen Tech Rep I N T U S Intermt For Range Exp Stn
U S D A For Serv Res Pap FPL
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USDA For Serv Gen Tech Rep FPL U S For Prod Lab
USDA For Serv Gen Tech Rep NC North Cent For Exp Stn
USDA For Serv Gen Tech Rep NE U S Northeast For Exp Stn
USDA For Serv Gen Tech Rep PNW Pac Northwest For Range Exp Stn
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Veterinaria (Sarajevo)
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Vinifera Wine Grow J
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VM SAC (Vet Med Small Anim Clin)
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Wien Tierarztl Monatsschr
Wilhelm Roux Arch Dev Biol
Wirtschseig Futter
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Wood Sci Technol
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Z Pflanzenzucht
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Zemed Ekon
Zemed Tech
Zentralbl Bakteriol Parasitenkd Infektionskr Hyg I Abt Orig Reihe B Hyg Betriebshyg Prav Med
Zernovoe Khoz
Zesz Nauk Geod Urzadzenia Rolne Akad Roln Tech Olsztynie
Zesz Nauk Hist Roln Akad Roln Krakowie
Zh Obshch Biol
Zh Prikl Khim
Ziva
Zivocisna Vyroba
Zucker

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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agricultural and allied sciences. It is based upon indexing records found in AGRICOLA (AGRICultural On-Line Access), the computerized bibliographic data files distributed by the National Agricultural Library. These files are prepared by four sources: U. S. National Agricultural Library (NAL); Food and Nutrition Information Center (FNIC); American Agricultural Economics Documentation Center (AAEDC); and Agriculture Canada (AgCanada). The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from worldwide sources. The Bibliography includes citations of journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation, Lockheed Information Systems, and Bibliographic Retrieval Services.

Publications are considered for indexing by NAL if a summary, abstract or title is available in a language in which the indexers have expertise. Articles of substantial interest to the agricultural community are selected by specialists on the staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not generally included. Indexing on the processing of agricultural products is limited to those on primary processing. In general, material must have been published in the current year or the preceding year to be included by NAL, but exceptions are made for comprehensive volumes or works of special significance to a wide audience. Articles which would not otherwise be indexed in the *Bibliography of Agriculture* are included for USDA authored, sponsored, or published materials. FNIC and AAEDC place no limitation on date of publication for entry into the data base. Abstracts and subject terms provided by FNIC and AAEDC are not published, although they are available in AGRICOLA.

The Bibliography is divided into ten sections: A main entry section, five main entry subsections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a List of Journal Title Abbreviations Cited in each issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides descriptive bibliographic data for records added to the AGRICOLA files during the preceding month.

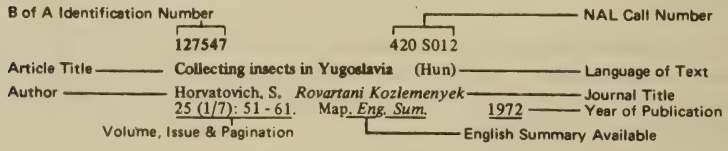
Entries are assigned to one or two of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Most entries begin with a six-digit identification number; however, when two categories are assigned to an entry, only the primary category carries the ID number. This number, which is assigned sequentially throughout a volume year, serves as an identifier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the Library. Agricultural economics items not cataloged by NAL have an identification number in the call number position. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations.

(Afr)	Afrikaans	(Geo)	Georgian	(Pol)	Polish
(Alb)	Albanian	(Ger)	German	(Por)	Portuguese
(Arm)	Armenian	(Gre)	Greek	(Rum)	Rumanian
(Aze)	Azerbaijani	(Heb)	Hebrew	(Rus)	Russian
(Bel)	Belorussian	(Hun)	Hungarian	(Scc)	Serbo-Croatian (Cyrillic)
(Bul)	Bulgarian	(Ice)	Icelandic		
(Bur)	Burmese	(Ind)	Indonesian	(Scr)	Serbo-Croatian (Roman)
(Chi)	Chinese	(Ita)	Italian		
(Cze)	Czech	(Jpn)	Japanese	(Slo)	Slovak
(Dan)	Danish	(Kor)	Korean	(Slv)	Slovenian
(Dut)	Dutch	(Lat)	Latin	(Spa)	Spanish
(Est)	Estonian	(Lav)	Latvian	(Swe)	Swedish
(Fin)	Finnish	(Lit)	Lithuanian	(Tha)	Thai
(Fle)	Flemish	(Mac)	Macedonian	(Tur)	Turkish
(Fre)	French	(Nor)	Norwegian	(Ukr)	Ukrainian

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

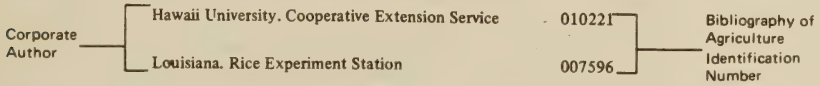
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow the Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U. S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from the Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in the Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal to constantly increase access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles have geographic entries. Geographic descriptors are added whenever they are germane to the subject of the article.

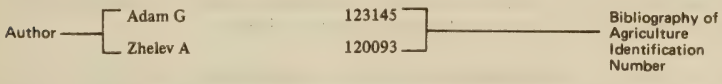
CORPORATE AUTHOR INDEX

In addition to corporate authors, this index includes listings for other selected corporate bodies which publish extensively in the agricultural field. Included are USDA authored, published or sponsored publications, and publications of the State Agricultural Experiment Stations, Extension Services and the FAO. For all entries the full corporate citation is given, followed by the six-digit identification number referring to its appropriate main entry.



PERSONAL AUTHOR INDEX

All personal authors' names (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six-digit identification number referring to the bibliographic data in the main entry section.

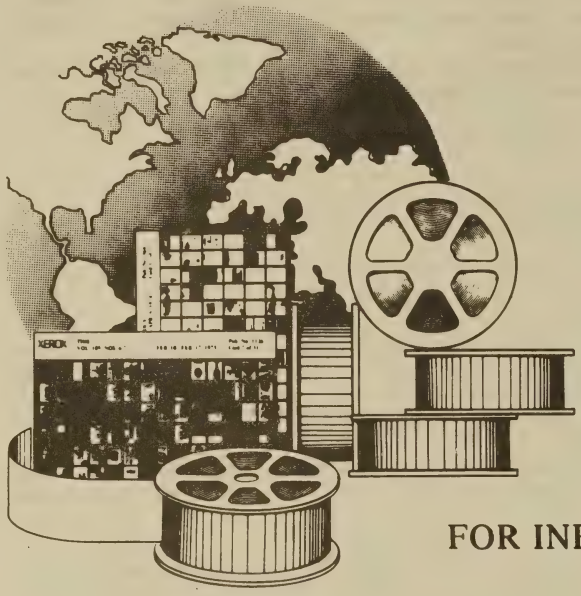


SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan to search in terms of the most specific natural-language term prior to searching under a scientific term. However, the reader should note that the vocabulary is an open-ended one and new terms are added each month. Undoubtedly, readers will be more

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LIST OF JOURNAL TITLE ABBREVIATIONS CITED

A E Ext N Y State Coll Agric Life Sci Dep Agric Econ
A E Okla State Univ Dep Agric Econ
A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State COll Agric Life Sci
A M A (Agric Mech Asia)
A M R C Rev Aust Meat Res Comm
ACE Am Assoc Agric Coll Ed
ACS Symp Ser (Amer Chem Soc)
Acta Agric Scand
Acta Anat
Acta Biol (Budap)
Acta Biol Med Ger
Acta Bot Neerl
Acta Endocrinol
Acta Hortic
Acta Virol
Acta Zootech
Adv Anim Breed
Adv Exp Med Biol
Adv Microb Ecol
Adv Wash State Univ Coll Agric Res Cent
Advis Leafl G B Minist Agric Fish Food
AG Econ Rep Fla Agric Exp Stn Gainesville
Agrarrecht
Agrartech Int
Agrartechnik
Agrekon
Agribus Decis
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Educ
Agric Eng (St Joseph, Mich)
Agric Ext Serv Univ Minn Spec Rep
Agric Inf Bull U S Dep Agric
Agric Libr Inf Notes
Agric Merch
Agric Meteorol
Agric North Irel
Agric Res
Agricultura (Louvain)
Agriculture (Paris)
Agroanimalia
Agroborealis
Agrochemia (Bratisl)
Agron A Ser Monogr Am Soc Agron
Agrotike
Agrow-Marketer
Aktuel Lantbrukshogsk (Upps)
Aktuel Litinf Obstbau Berlin Tech Univ Bibl
Alaska Conserv Rev
All Gazdasag
Allattani Kozl
Allg Forstztg
Am Bee J
Am Dairy Rev
Am For
Am J Bot
Am J Cardiol
Am J Enol Vitic
Am J Nursing
Am J Obstetrics Gyn
Am J Physiol
Am J Public Health
Am J Trop Med Hyg
Am Midl Nat
Am Nat
Am Nurserym
Am Orchid Soc Bull
Am Potato J
Am Wine Soc J
Amer J Clin Nutr
Amer School Board J
AMS U S Dep Agric Agric Mark Serv
Angew Parasitol
Anim Behav
Anim Prod
Ann Assoc Am Geogr
Ann Biol Anim Biochim Biophys
Ann Entomol Fenn
Ann Reeks 80 Zool Wet K Mus Mid Afr
Ann Sci For
Ann Ser 8 Sci Zool Mus R Afr Cent
Ann Univ Maria Curie Sklodowska, Sect DD Weter
Annu Rep Glasshouse Crops Res Inst
Annu Rev Entomol
Anu Tec Inst Pesqui Zootec
APHIS-91 U S Anim Plant Health Insp Serv
Apiacta
Appl Anim Ethology
Applied Environ Microbiol
Aquat Bot
Arbor Bull Arbor Found Seattle
Arboric Fruit
Arch Microbiol
Arch Pharm Ber Dtsch Pharm Ges
Arch Protistenkd
Arch Tierarzliche Fortbild
Arkansas Farm Res
Arnoldia
ARS-H U S Agric Res Serv
ARS-NC U S Agric Res Serv North Cent Reg
ARS-NE U S Agric Res Serv Northeast Reg
ARS-S U S Agric Res Serv South Reg
Arsskr Nor Skogplant
Atmos Environ
Aust Dried Fruit News
Aust Entomol Mag
Aust J Agric Res
Aust J Bot
Aust J Chem
Aust J Plant Physiol
Aust Orchid Rev
Australas Beekeep
Avian Dis
Bak Prod Mark
Behav Ecol Sociobiol
Behav Genet
Behav Processes
Behaviour
Beitr Tabakforsch
Beret Statens Husdyrbrugsfors
Better Crops Plant Food
Biochem Biophys Res Commun
Biochem Genet
Biochem J
Biochem Syst Ecol
Bioinorg Chem
Biol Bull
Biol Cell
Biol J Linn Soc
Biomed Express
BIOS
BioScience Am Inst Biol Sci
Biotechnol Bioeng
Biull Vses Nauchno Issled Inst Zashch Rast
Bol Bot
Bol Estac Cent Ecol Inst Nac Conserv Nat
Boll Soc Ital Biol Sper
Bot Delhi Univ Bot Soc
Bot J Linn Soc
Bot Kozl
Botyu Kagaku
Boundary Layer Meteorol
Br Bee J
Br J Nutr
Br Phycol J
Brew Dig
Brew Guardian
Brittonia
Brooklyn Bot Gard Rec Plants Gard
Buckeye Triune
Budownictwo Roln
Bull Agric Exp Stn Auburn Univ
Bull Am Dahlia Soc
Bull Am Mus Nat Hist
Bull Br Mus Nat Hist Entomol
Bull Cent Etud Rech Sci
Bull Colo State Univ Exp Stn Fort Collins
Bull Coop Ext Serv Ohio State Univ
Bull Coop Ext Serv Univ Ga Coll Agric
Bull Environ Contam Toxicol
Bull G B Minist Agric Fish Food
Bull Gos Nikitsk Bot Sad
Bull Idaho Agric Exp Stn Univ Idaho Coll Agric
Bull Ill Agric Exp Stn
Bull Kans Agric Exp Stn
Bull Md Dept Agric Div Insp Regul
Bull Mont Agric Exp Stn
Bull P R Agric Exp Stn
Bull Sci Inst Text Fr
Bull Soc R For Belg
Bull Soc Zool Fr
Bull SROP Int Organ Biol Control Noxious Anim Plants West Palearctic Reg Sec
Bull Tech Genie Rural Cent Tech Genie Rural Forets
Bull Tech Inf Minist Agric (Paris)
Bull Tex Agric Exp Stn
Bull Trimest Soc For Franche Comte Prov Est
Bull Univ Maine Orono Life Sci Agric Exp Stn
Bull Va Water Resour Res Cent Va Polytech Inst State Univ
Bull Wash State Univ Coll Agric Res Cent
Bull Zoldsegtermesztesi Kut Intez
Butter Fat Solids
C Nev Univ Coop Ext Serv
C R Acad Bulg Sci
C R Mens Seances Acad Sci
Cac Suc J G B
Calif Agric
Calif Plant Pathol
Calif Vector Views
Calif Vet
Camellia Rev
Can Agric
Can J Chem
Can J Microbiol
Carbohydr Res
Cardamom News
Cas Slezskeho Muz, Ser C Dendrol
Cashew News Teller
Cell Biol Int Rep
Cell Mass Inst Technol
Cell Tissue Res
Cereal Foods World
Cesk Epidemiol Mikrobiol Imunol
Ceska Mykol
Chem Ber Ges Dtsch Chem
Chem Commun
Chem Erde
Chem Ind Soc Chem Ind
Chem Pflanz Schadlingsbekamfungsm
Chem Pharm Bull
Chem Tech (Amsterdam)
Chemosphere
Chicago Tribune
Chmelarstvi
Christmas Trees
Chromatographia
Chromosoma
Chron Hortic
Chron Przyr Ojczysta
Chrysanthemum
Cienc Invest Agrar
Circ Coll Agric Res Cent Wash State Univ
Citrus Veg Mag
Clim Change
Clin Pediatrics
CNI Weekly Rep
Collect Czech Chem Commun
Commerce
Commonw For Rev
Community Health
Comp Biochem & Physiol B, Comp Biochem
Conn Greenhouse Newsl
Connaiss Vigne Vin
Consumer Reports
Contrib Cent Res Inst Agric (Bogor)
Cooking for Profit
Coop Fr
Coop Plant Pest Rep U S Anim Plant Health Insp Serv Plant Prot Quar Programs
Co-operative Consumer
Cornell Int Agric Dev Mimeogr
Cornell Ve:
Cornell Vet Suppl
Cow Mocs
Crops Soils
Ctry Life
D A E Res Rep La Agric Exp Stn Dep Agric Econ Agribus
Dairy Herd Manage
Dairy Notes Calif Univ Berkeley Coop Ext
Dairymen's Dig Mid-States Reg
Dairymen's Dig North Cent Reg Fd
Dep Pap Coll Trop Agric Hawaii Agric Exp Stn Univ Hawaii
Dev Comp Immunol
Diabetes
Differentiation
DLG Mitt Dtsch Landwirtsch Ges
DLZ (Die Landtech Z)
DNR Notes Wash (State) Dep Nat Resour
Doc Discuss Natl Agric Outlook Conf Canberra
Down Earth
Drevo
Drobiarstwo
Dtsch Forstm
Dtsch Milchwirtsch
Dtsch Pelztierz
Dtsch Schwarzbunte
DTW (Dtsch Tierarztl Wochenschr)
Ecol Entomol
Ecol Food Nutr
Ecol Res Ser
Econ & Polit Wkly
Econ Bot
Econ Inf Rep Fla Univ Food Resour Econ Dep
Econ Plann
Econ Soc Issues Calif Univ Davis Coop Ext Serv
Educ Circ U S Farmer Coop Serv
Ekon Sel'sk Khoz
EL Arkansas Univ Coop Ext Serv
Elev Insemination
EM Coop Ext Serv Coll Agric Wash State Univ
EM U S For Serv
Eng Res Bull La State Univ Agric Mech Coll
Ensemble!
Entomol Ber (Amsterdam)
Entomol Mitt Zool Mus Hamb
Entomol News
Entomol Scand
Entomol Z
Environ Child Health
Environ Conserv
Environ Entomol
Environ Manage
Environ Midwest
Environ Monit Ser
Environ Pollut
Environ Sci Res
EPA J U S Environ Prot Agency
Equip Dev Test Rep U S Dep Agric For Serv Equip Dev Cent (Calif)
Equip Tips
Erdo
ERFA (Erdogazdasag Faipar)
ERS U S Dep Agric Econ Res Serv
Erwerbsobstbau
ESC U S Ext Serv
ESC U S Fed Ext Ser
Etlik Vet Bakteriyol Enst Derg
Etud CNEEMA Cent Natl Etud Exp Mach Agric
Eur J Appl Microbiol
Eur J Biochem
Eur Rev Agric Econ
Evolution
Exp Agric
Ext Bull Mich State Univ Coop Ext Serv
Ext Fol Agric Ext Serv Univ Minn
Ext Serv Rev Coop Ext Serv
Extending Amend FIFRA U S Congr House Represent Comm Agric Subcomm Dep Invest Overs Res
Fact Sheet Coop Ext Serv Univ Md
Fact Sheet Part Time Farmers Gard
Faipar
Fam Health
Farm Lett
Farmer Coop U S Farmer Coop Serv
Farmer Parliament
Farmers Bull U S Dep Agric
FDA Consumer

FEBS Lett (Fed Eur Biochem Soc)
Fed Proc Fed Am Soc Exp Biol
Feedstuffs
Feld Wald
Feline Pract
Fermes Mod
Fert Mark News
Fert Prog
Fiji Timbers Their Uses
Financ Agric
FIRA Bull (Furnit Indus Res Assoc)
Fla Entomol
Fla Foliage Grow
Fleisch
Flora West Pak
Florists Rev
Flower And Gard North Ed
Flower And Gard West Ed
Flower Nursery Rep Commer Grow Coop Ext Univ Calif
Focus Floric
Folia Biol (Praha)
Folia For
Folia Microbiol
Folia Parasit
Food and Nutr News
Food Cosmet Toxicol
Food Eng
Food Home Notes
Food Ind S Afr
Food Management
Food Manuf
Food Nutr
Food Nutr Notes Rev Aust Dep Health
Food Process Ind
Food Prod Dev
Food Serv Mark
Food Technol Aust
For Dep Ser Ala Agric Exp Stn
For Res What's New West
For Sci
For Serv Tech Rep SO U S South For Exp Stn
Forecast Home Econ
Foreign Agric Circ FOP U S Foreign Agric Serv
Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv
Foreign Agric Circ Sugar FS U S Foreign Agric Serv
Foreign Agric Circ Tob FT U S Foreign Agric Serv
Foreign Agric Circ Tree Nuts FN U S Foreign Agric Serv
Foreign Agric U S Foreign Agric Serv
Forst Holzwirt
Forstarchiv
Forstwiss Centralbl
Forstwiss Forsch
Front Plant Sci
FWS/OBS U S Fish Wildl Serv Off Biol Serv
Ga For Res Pap Ga For Res Counc
Gabonaipar
Garden
Garden (N Y)
Gartenbau
Gazdalkodas
GC HTJ
Genetica
Genetics
Geogr J
Geogr Rev
Gesunde Pflanz
Glas Prir Muz Beogr, Ser B Biol Nauke
Glas Sumar Fak Ser A Sumar Belgr Univ Sumar Fak
Gorskostop Nauka
Gradinarstvo
Grana
Great Basin Nat
Grundlagen Landtech
Grune
Harvest Regul Ser Rep Wash (State) Dep Nat Resour
Harvestore Farmer
Herba Hung
Hereditas
Hidrol Kozl
Highlights Agric Res
Hoards Dairym
Hog Farm Manage
Holz Kunststoffverarbeitung
Holz Roh Werkst
Holzforschung
Holzindustrie
Holzzucht
Home Econ Res J
Home Gard Bull U S Dep Agric
Hopfenrundschau
Horm Res
Hortic Dig
Hortic Res
Hospitals
Hospod Zpr
Hrana Ishrana
Hybrid
Hydrobiologia
ICLA Bull
IITA Monogr Int Inst Trop Agric Commun Inf Off
Ill Teacher
Immunochemistry
Impact
In Agriculture and its Social Responsibilities; Proc Annu Conf Read Univ Agric Club
In Apomixis and Breeding. S. S. Khokhlov, ed.
In Bakterial'nye bolezni rastenii. M. V. Gorlenko, ed.
In Chemical Control of Insect Behavior. H. H. Shorey & J. J. McKelvey, Jr., eds.
In Climate, Climatic Change, and Water Supply; National Research Council, Panel on Water and Climate
In Constraints to High Yields on Asian Rice Farms; International Rice Research Institute
In Crop Resources. D. S. Seigler, ed.
In Energy Use and British Agriculture; Proc Annu Conf Read Univ Agric Club
In European and Mediterranean Cereal Rusts Conference; Proceedings
In Flora Putorana. L. I. Malyshev, ed.
In Food Aversion Learning. N. W. Milgram, L. Krames & T. M. Alloway, eds.
In Ganaderia Tropical. M.B. Helman.
In Geneticheskie resursy pshenitsy. D. D. Brezhnev, ed.
In Genetika i selektsiia sel'skokhoziaistvennykh rastenii i Zhivotnykh v Kirgizii. M. N. Lushchikhina, ed.
In Hardwood Sawmill Techniques; Proceedings of the Harwood Sawmill Clinic Program
In Identified Neurons and Behavior of Arthropods. G. Hoyle, Ed.
In Indikatsiia prirodnykh protsessov i sredy. K. I.Ankiavichius & others, eds.
In Integrated Rural Development. K Arunachalam & K. M. Natarajan, eds.
In International Symposium on Controlled Environment Agriculture; Proceedings
In Interrelation of Forest and Bog. N. I. P'yavchenko, ed.
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In Methodes et Techniques pour la Protection du Verger; Journees Fruitieres d'Avignon-Montfavet
In Modification of Wood. T. A. Darzinsh, ed.
In National Convention of Agricultural Technologists; Seminar on Agricultural Challenges of 1980's
In Novye mashiny i tekhnologiia proizvodstva meliorativnogo Stroitel'stva. P. B. Sviklis & others, eds.
In Organizzazione del mercato agricolo nella Comunita economica europea
In Pet Medicine. R. Caras & others, eds.
In Proc Natl Conf Complete Water Reuse; Symb Means Abatement Multi-Media Pollut
In Proceedings of National Workshop on Coordination of Marketing Research
In Proceedings of the Assoc of School Business Officials of The U.S. and Canada Annual Meeting, October 1976
In Proceedings of the West Africa Conference
In Protein and Non-protein Nitrogen for Ruminants; Proceedings of the Symposium
In Pseudomonas Aeruginosa: Ecological Aspects and Patient Colonization. V. M. Young, ed.
In Recent Advances in Medical and Veterinary Mycology; Proc Congr Int Soc Hum Anim Mycol
In Research in Forest Economics & Forest Policy; Papers Resulting from a Symposium
In TAPPI Annual Meeting (Technical Association of the Pulp and Paper Industry)
In Technical Information Services for Developing Countries; Proceedings of the International Conference
In The Chemical Senses and Nutrition. M. R. Kare and O. Maller, eds.
In The Fetus and Birth; Ciba Foundation Symposium
In Trace Contaminants of Agriculture, Fisheries and Food In Developing Countries
In Tracer Studies on Non-Protein Nitrogen for Ruminants III; Proceedings of a Research Co-ordination Meeting
In Travaux sur rosier de serre menes au C.R.A. d'Antibes
In Why Additives? The Safety of Foods; British Nutrition Foundation, ed.
In Working Party On Technical And Physical Aspects Of Energy Saving In Greenhouses; Eur Communities Comm
Indian Dairym
Indian Farming
Indian For
Indian J Agric Econ
Indian J Agric Sci
Indian J Genet Plant Breed
Indian J Med Res
Indian J Nutr Diet
Indian Poult Rev
Indian Sugar
Inf Agric (Luxemb)
Inf Bull Int Maize Wheat Improv Cent
Inf Ref CC-X Chem Control Res Inst
Inf Sheet Coop Ext Serv Miss State Univ
Inf Tech Cent Tech Interprof Ol Metrop
Instit Distrib
Instit/vol Feeding
Int J Chronobiol
Int J Obesity
Int J Parasitol
Int Sugar J
Int Z Landwirtsch
Int Z Vitam- Ernahrungsforsch Beih
Inten Agric
Interfaces
Inventory Ohio Soil Prog Rep Ohio Dep Nat Resour Div Land Soil
Iowa State Univ Vet
Irrig Farmer
Irrig Power
Izv Akad Nauk Az SSR, Ser Biol Nauk
Izv Akad Nauk BSSR, Ser Biol Nauk
Izv Akad Nauk Kaz SSR, Ser Biol
Izv Akad Nauk Tadzh SSR
J Aerosol Sci
J Agric Econ Dev
J Agric (Melb)
J Agric Univ P R
J Air Pollut Control Assoc
J Am Chem Soc
J Am Diet Assoc
J Am Oil Chem Soc
J Am Soc Brew Chem
J Am Soc Farm Manage Rural Apprais
J Am Vet Med Assoc
J Amer Med Assoc
J Anat
J Anim Sci
J Antimicrob Chemother
J Apic Res
J Appl Ecol
J Appl Meteorol
J Arboric
J Atmos Sci
J Aust Inst Agric Sci
J Biochem (Tokyo)
J Biol Chem
J Biomed Mater Res
J Bromeli Soc
J Bryol
J Can Diet Assoc
J Cell Physiol
J Cell Sci
J Chem Ecol
J Chem Soc, Perkin Trans I
J Chromatogr Sci
J Clin Microbiol
J Comp Pathol
J Comp Physiol
J Dairy Sci
J Econ Entomol
J Econ Hist
J Electrostat
J Embryol Exp Morphol
J Equine Med Surg
J Exp Biol
J Exp Mar Biol Ecol
J Experimental Child Psyc
J Fac Agric Iwate Univ
J Ferment Technol
J Fire Retard Chem
J Food Process Preserv
J Food Prot
J Food Protection
J Food Qual
J Ga Entomol Soc
J Gen Microbiol
J Gen Virol
J Hered
J Home Econ
J Hyg
J Indian Soc Agric Stat
J Lepid Soc
J Mar Res
J Microsc (Lond)
J Minn Acad Sci
J Mol Afr Stud
J Mol Biol
J Mol Evol
J N Z Diet Assoc
J Natl Inst Agric Bot
J Nutr
J Nutr Educ
J Nutr Sci Vitaminol
J Org Chem
J Parasitol
J Peasant Stud
J Phycol
J Physiol
J R Soc N Z
J Range Manage
J Sch Health
J Sci Ind Res
J Soil Sci Soc Am
J Soil Water Conserv
J Supramolecular Struct
J Tenn Acad Sci
J Text Inst
J Texture Stud
J Virol
J Zool
Jap J Physiol
Jap J Vet Sci
Jaunak Mezsaimn
Jordbruksekon Medd
Jugosl Vocar
K Skogs och Lantbruksakademiens Tidskr
Kakteen Sukkulenten
Kalikasan
Kartoffelbau
KB Mitt Schweiz Verb Kunstliche Besamung Schweiz Arbeitsgem Kunstliche Besamung
Kertgazdasag
Khim Prom-st'
Kholod Tekh
Kistenyesztok Lapja
Kwiaty
Ky Farm Anal Groups Summ
La Vie Agric Meuse
Lait
Lancet
Land Issues Probl Va Polytech Inst State Univ Coop Ext Serv
Landbrukstidende
Landschaft & Stadt
Landwirtsch Forsch Sonderh
Lantbrukshogsk Medd, B (Upps)
Lantbrukshogsk Medd, Ser A
Lawn Gard Mark
Leafl Div Agric Sci Univ Calif Berkeley Coop Ext
Leafl U S Dep Agric
Leben Erde
Lehrb Anat Haustiere
Lesn Cas
Lesnictvi
Lichenologist
Lipids
Livest Breed J
Loggers Handb Pac Logging Congr
Lohnunterne Land Forstwirtsch
Lond Nat
Longwood Program Semin
LSU For Notes
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Med Microbiol Immunol
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Meded Proefstn Fruitteelt Wilhelminadorp
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Meteorol Gidrol
Mezogazd Elelmiszeripari Konyvtar Tayikoztat
Mezsaimn Mezrupnieciba
Microbia
Microchem J
Mikrobiologiia
Mikrochim Acta
Milk Ind
Mimeogr Ser Univ Arkansas Agric Exp Stn
Minn Agric Econ
Minn For Res Notes
Misc Publ Hawaii Univ Coop Ext Serv
Misc Publ Md Agric Exp Stn
Misc Publ U S Dep Agric
Misc Rep Minn Agric Exp Stn
Mitt Obstbauversuchring Jork
Mod Vet Pract
Mol Biol (Kiev)
Mol Biol Rep
Mol Cell Biochem
Mol Cell Endocrinol
Mol Gen Genet (MGG)
Molk-Ztg Welt Milch
MP Arkansas Univ Agric Ext Serv (Misc Publ)
MP Tex Agric Exp Stn
Mushroom J
Mutat Res
My Forest
Mycopathologia
Mycotaxon
N D Farm Res N D Agric Exp Stn
N D Res Rep
N Z Agric
N Z Agric Sci
N Z Beekeep
N Z J Bot
N Z Soil News
N Z Tob Grow J
N Z Vet J
Natl Cac Suc J
Natl Food Situation
Nature
Naturwissenschaften
Naunyn-Schmiedeberg's Arch Pharmacol
Neth J Plant Pathol
Neth J Zool
Neth Milk Dairy J
Neue Bienenzucht
New Engl J Med
New Sci (London)
Newsl Assoc Off Seed Anal
NJEA Rev
Nor Skogind
Nor Veterinaertidskr
Nord Veterinaermed
Northwest Sci
Norw J Bot
Notes 1 E A (Inst Econ Agric Brux)
Nova Acta Leopold Suppl
Nova Hedwigia Z Kryptogamenkd
Novenyvedelem
Nucleic Acids Res
Nutr & MD
Nutr Action
Nutr Metab
Nutr News
Nutr Rep Int
Nutr Rev
Nutr Today
Obz Inf Vses Nauchno-Issled Inst Inf Tekh-Ekon Issled Sel'sk Khoz
Occas Rep Va Div For Dep Conserv Econ Dev
Ochr Rosl
Oecologia
Ohio J Sci

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

Ohio Rep Res Dev Agric Home Econ Nat Resour
Onderstepoort J Vet Res
Onderz Sticht Akkerbouwproefboerderijen Zand Dalgrond Middenoost Noordoost Ned
Ontario Credit Union News
Ontogenez
Orchard N Z
Orchid Advocate
Orchid Dig
Oreg Agric Prog
Orient Insects Suppl
OSU Ext Facts Sci Serv Agric Okla State Univ Coop Ext Serv
Outlook Agric
Outstate Test Circ Nebr Agric Exp Stn
PA U S Dep Agric
Pac Insects
Pag Bull
Pap Puu
Paper (Athens Ga)
Papier
Parasitology
PB U S Natl Tech Inf Serv
Peanut J Nut World
Peanut Sci
Pediatrics
Pepinier Hortic Maraich
Perfum Flavorist
Personnel J
Persoonia
Pest Control
Pest Control Circ
Pestic Monit J
Pflugers Arch
Pharmacology
Philipp J Crop Sci
Phospho Agric
Phospho Potas
Photochem Photobiol
Photogramm Eng Remote Sensing
Physiol Plant
Physiol Plant Pathol
Phytologia
Phytomorphology
Phytopathol News
Phytopathology
Phytoprotection
Pig Farming
Plant Dis Rep
Plant Physiol
Plant Soil
Planta
PM Iowa State Univ Sci Technol Ames Coop Ext Serv
PNW Oreg State Univ Coop Ext Serv
Poljopr Znan Smotra
Pol'nohospodarstvo
Pomol Fr
Pork Ind Gaz
Potato Grow
Potato Res
Poult Guide
Poult Ind
Poult Sci
Poult Trib
Power Farming
Power Farming Mag
Pr Inst Sadow Skierniewicach
Pr VULHM (Vyzk Ustav Lesn Hospod Myslivosti)
Present Future Energy Needs Fam Farms U S Congr House Comm Agric Subcomm Fam Farms Rural Dev Spec Stud
Principes
Prir Pr Ustavu Cesk Akad Ved Brne Nova Ser
Priroda (Mosk)
Proc Biol Soc Wash
Proc Indian Acad Sci, Sec B
Proc Linnean Soc N S W
Proc Natl Acad Sci U S A
Proc Pa Acad Sci
Proc R Soc Lond, B Biol Sci
Proc SNA Res Conf Annu Rep (South Nurserymen's Assoc)
Proc Soc Exp Biol Med
Proc Wash State Univ Symp Particleboard
Prod Publ Assoc Off Seed Certifying Agencies
Prod Res Rep Agric Res Serv U S Dep Agric
Prod Veg Hortic
Prof Nutritionist
Prog Rep Ser Ala Agric Exp Stn
Prog Rep Tex Agric Exp Stn
Prog Water Technol
Prostaglandins (Los Altos)
Provancheria Mem Herb Louis Marie
Przegl Mlecz
Przem Ferment Rolny
Przem Spozyw
Publ Coop Ext Programs Univ Wis Ext
Publ P R Agric Exp Agric
Publ Sch Agric Econ Ext Educ Guelph Ont Univ
Publ Tech Pap Proc Annu Meet Sugar Ind Technol Inc
Publ Technion Israel Inst Technol Agric Eng Fac
Pulp & Pap Can
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Quick Frozen Foods
R I Resour
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Radiat Environ Biophys
Radiat Res
Rapp Inst Arbetsmetodik Tek Lantbrukshogsk Upps
Rapp Inst Bodemvruchtbaar
Recent Prog Horm Res
Recept Recognition Ser B
Reclam Era
Redog Forskningsstiftelsen Skogsarbeten
Remote Sens Environ
Rep Ser Arkansas Agric Exp Stn
Rep Water Res Found Aust
Res Bull E M Rocky Mt For Range Exp Stn
Res Bull Idaho Agric Exp Stn
Res Bull Mo Agric Exp Stn
Res Bull Ohio Agric Res Dev Cent
Res Circ Ohio Agric Res Dev Cent
Res Life Sci
Res Pap W O U S For Serv
Res Rep Fla Univ Sch For Resour Conserv
Res Rep Ga Exp Stn
Res Rep Lincoln Coll Christchurch N Z Agric Econ Res Unit
Res Rep Miss Agric For Exp Stn
Res Rep P Okla Agric Exp Stn
Restaurant Bus
Rev Cresterea Anim
Rev Embouteillage Indus Cond Trait Distrib Transp
Rev Etud Coop
Rev Padurilor Ind Lemnului Celul Hirtie Silvic Exploatarea Padurilor
Rev Roum Biochim
Revue Canadienne d'Economie Publique et Cooperative. Canadian Journal of Public and Cooperative Economy
Rhod Agric J
Rhod J Agric Res
Rhod Vet J
Riv Ortoflorofruttic Ital
Rubber J
Rural Sociol
S Afr Sugar J
Sb Nauchn Rab Nauchno-Issled Inst Sel'sk Khoz TSentr-Chernozemn Polosy
Sb Nauchn Tr Eest Pollumajanduse Akad
Sb UVTI, Ochr Rostl Cesk Akad Zemed (Ustav Vedeckotech Inf)
Sb Vys Sk Zemed Praze Fak Agron, Rada B Zivocisna Vyroba
Scand J Immunol
Sch Foodserv J
Schr Ges Wirtsch Sozialwiss Landbaues
Schweiz Bienen-Zeitung
Schweiz Landtech Dtsch Ausg
Schweiz Z Obst Weinbau
Sci Am
Sci Public Aff
Sci Sin
Science
Scott For
Sel Semenovod (Kiev)
Sel'sk Khoz Mold
Short Term Leafl Minist Agric Fish Food (Middlesex)
SIDA
Silva Fenn
Silvae Genet
Snack Food
Socio-Econ Inf Ohio Agric Rural Communities
Soil Conserv
Soils Found
Soobshch Akad Nauk Armianskoi SSR Inst Agrokhim Probl Gidroponiki
South Afr Bee J
South Aust Nat
Sov Torg
Soz Forstwirtsch
Spec Libr
Spec Publ Coll Agric Univ Ill
Spec Rep Arkansas Agric Exp Stn
Spec Rep Oreg Agric Exp Stn
Star Furrow
Stat Bull U S Dep Agric
Stud Biol Inst Biol (Lond)
Stud For Suec
Stud Inf, Ochr Rostl
Stud Inf, Vseob Otazky Zemed
Stud Neotrop Fauna Environ
Sucr Belg
Sugar Technol Rev
Sugarcane Breed Newsl
Sumarstvo
Suomen Elainlaakaril Fin Veterinartidskr
Swed J Agric Res
Syllogeus
Syst Bot
Syst Entomol
Syst Zool
TAG (Theor Appl Genet)
Tappi (Tech Assoc Pulp Paper Ind)
Teacher
Tec Molit
Tech Bull Agric Exp Stn Univ Ariz
Tech Bull Agric Exp Stn Univ Minn
Tech Bull Coll Agric Res Cent Wash State Univ
Tech Bull Colo Agric Exp Stn
Tech Bull Hawaii Agric Exp Stn Univ Hawaii
Tech Bull N S W Dep Agric
Tech Bull Okla Agric Exp Stn
Tech Bull S C Agric Exp Stn Clemson Univ
Tech Bull U S Dep Agric
Tech Bull Wis Dep Nat Resour
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Tech Man Am Assoc Text Chem Color
Tech Pap Commonw Sci Indus Res Organ Div Food Res
Tech Q Mast Brew Assoc Am
Tech Rep Water Resour Res Cent Univ Hawaii
Technocrat (Tokyo)
Teho
Tenn Farm Home Sci Prog Rep
Tetrahedron Lett
Tex J Sci
Tex Vet Med J
The Credit Union Way
The New Harbinger
The Western Producer
Theriogenology
Tidskr Sver Utsadesforen
Tissue Cult Assoc Man
Toxicology
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Training Dev J
Trans ASAE (Am Soc Agric Eng)
Trop For Pap
Trop Sci
TSitologiia
Tuatara
Turf Bull
Tutun
U S D A For Serv Res Note PSW U S Pac Southwest For Range Exp Stn
U S For Serv (Reprints of articles by FS employees)
Ugeskr Agron Hortonomer Forstkandidater Licentiater
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USDA For Serv Gen Tech Rep NC North Cent For Exp Stn
USDA For Serv Gen Tech Rep NE U S Northeast For Exp Stn
USDA For Serv Gen Tech Rep PNW Pac Northwest For Range Exp Stn
USDA For Serv Gen Tech Rep RM U S Rocky Mt For Range Exp Stn
USDA For Serv Res Note RM U S Rocky Mt For Range Exp Stn
USDA For Serv Res Note SE U S Southeast For Exp Stn
USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)
USDA For Serv Res Pap NE (U S Northeast For Exp Stn)
USDA For Serv Res Pap RM U S Rocky Mt For Range Exp Stn
USDA For Serv Res Pap SE U S Southeast For Exp Stn
USDA For Serv Res Pap SO U S South For Exp Stn
USGA Green Sect Rec (U S Golf Assoc)
Usp Sovrem Biol
Utah Sci
Uzb Biol Zh
Var Foda
Ved Pr Vysk Ustavu Kukurice Trnave
Veg Grow News
Vending Times
Verh Naturforsch Ges Basel
Verh Zool Bot Ges Wien
Versuchsergeb Bundesanst Pflanzenbau Samenprufung
Vestn Cesk Spol Zool
Vestn S-kh Nauki Kaz
Vestsi Izv Ser S-kh Nauk Minsk Belarus Akad Navuk
Vet Pathol
Vet Rec
Veterinarstvi
Virology
Visn Sil's'kohospod Nauki
VM SAC (Vet Med Small Anim Clin)
Vynohradar Vynorob
W H O Chron
Wasmann J Biol
Wasser & Boden
Water
Water & Waste Treat
Water Res
Water Resour Bull
Water Supply Pap U S Geol Surv
Watsonia J Proc Bot Soc Br Isles
Weight Watchers
Weinberg Keller
West J Agric Econ
West Va Agric For
Who's Who Minn Al Sires
Wiad Melior Lakarsk
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Wiss Z Humboldt Univ Berl
Wochenbl Papierfabr
Wood Fiber
World Crops Livest
Xenobiotica
Z Angew Entomol
Z Arbeitsgem Osterr Entomol
Z Ausl Landwirtsch
Z Immunitatsforsch Immunobiol
Z Pflanzenernahr Bodenkd J Plant Nutr Soil Sci
Z Pflanzenzucht
Z Pilzkd
Z Tierpsychol
Z Versuchstierkd
Zahradnictvo
Zambia J Sci Technol
Zashch Rast
Zast Bilja
Zb Biotehniske Fak Univ Ljublj Vet
Zb Rad Poljopr Inst
Zemlerobstvo
Zentralbl Bakteriol Parasitenkd Infektionskr Hyg I Abt Suppl
Zhivotnovodstvo
Zool Jahrb, Abt Allg Zool Physiol Tiere
Zool Jahrb, Abt Anat Ontog Tiere
Zool Jahrb, Abt Syst Okol Geogr Tiere
Zoomorphologie
Zucker
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GENERAL AGRICULTURE AND RURAL SOCIOLOGY

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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agricultural and allied sciences. It is based upon indexing records found in AGRICOLA (AGRICultural On-Line Access), the computerized bibliographic data files distributed by the National Agricultural Library. These files are prepared by four sources: U. S. National Agricultural Library (NAL); Food and Nutrition Information Center (FNIC); American Agricultural Economics Documentation Center (AAEDC); and Agriculture Canada (AgCanada). The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

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The Bibliography is divided into ten sections: A main entry section, five main entry subsections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a List of Journal Title Abbreviations Cited in each issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides descriptive bibliographic data for records added to the AGRICOLA files during the preceding month.

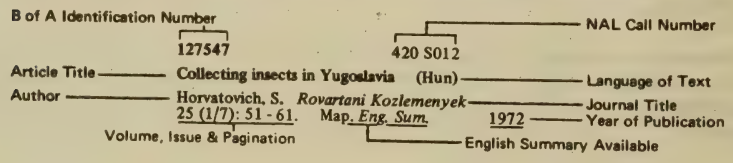
Entries are assigned to one or two of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Most entries begin with a six-digit identification number; however, when two categories are assigned to an entry, only the primary category carries the ID number. This number, which is assigned sequentially throughout a volume year, serves as an identifier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the Library. Agricultural economics items not cataloged by NAL have an identification number in the call number position. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations.

(Afr)	Afrikaans	(Geo)	Georgian	(Pol)	Polish
(Alb)	Albanian	(Ger)	German	(Por)	Portuguese
(Arm)	Armenian	(Gre)	Greek	(Rum)	Rumanian
(Aze)	Azerbaijani	(Heb)	Hebrew	(Rus)	Russian
(Bel)	Belorussian	(Hun)	Hungarian	(Scc)	Serbo-Croatian (Cyrillic)
(Bul)	Bulgarian	(Ice)	Icelandic		
(Bur)	Burmese	(Ind)	Indonesian	(Scr)	Serbo-Croatian (Roman)
(Chi)	Chinese	(Ita)	Italian		
(Cze)	Czech	(Jpn)	Japanese	(Slo)	Slovak
(Dan)	Danish	(Kor)	Korean	(Slv)	Slovenian
(Dut)	Dutch	(Lat)	Latin	(Spa)	Spanish
(Est)	Estonian	(Lav)	Latvian	(Swe)	Swedish
(Fin)	Finnish	(Lit)	Lithuanian	(Tha)	Thai
(Fle)	Flemish	(Mac)	Macedonian	(Tur)	Turkish
(Fre)	French	(Nor)	Norwegian	(Ukr)	Ukrainian

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

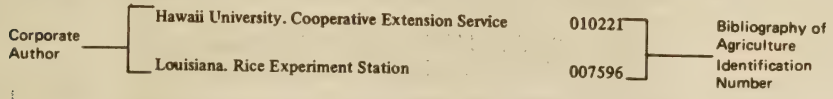
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow the Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U. S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from the Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in the Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal to constantly increase access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles have geographic entries. Geographic descriptors are added whenever they are germane to the subject of the article.

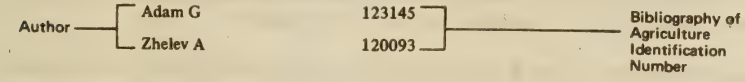
CORPORATE AUTHOR INDEX

In addition to corporate authors, this index includes listings for other selected corporate bodies which publish extensively in the agricultural field. Included are USDA authored, published or sponsored publications, and publications of the State Agricultural Experiment Stations, Extension Services and the FAO. For all entries the full corporate citation is given, followed by the six-digit identification number referring to its appropriate main entry.



PERSONAL AUTHOR INDEX

All personal authors' names (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six-digit identification number referring to the bibliographic data in the main entry section.



SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan to search in terms of the most specific natural-language term prior to searching under a scientific term. However, the reader should note that the vocabulary is an open-ended one and new terms are added each month. Undoubtedly, readers will be more

keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the Library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 38,000 terms. The file is organized so that in many cases synonymous terms are grouped together under a single subject heading. Thus, singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in boldface type. The alphabetic sequence is by the secondary (boldface) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

CHEESES
Alkylpyrazines in processed **American** *cheese*. 022750
Cheddar *cheese* made with bovine pepsin. I. Yield and quality of cheese. 022755
Hydrolysis of milk proteins by bacteria [Brevibacterium linens, Propionibacterium shermanii] used in *cheese* making. 022751
Sensory evaluation of meat products containing **coagulated** *cheese* whey lactalbumin [Dairy waste utilization]. 022758
Enrichment of **pasta** with **cottage** *cheese* whey proteins. 022413
Change of impurity provisions of the *cheese* and **dairy** product decrees [Legislation, consumer protection]. 021927
Enzymes of Penicillium roqueforti [mold] involved in the biosynthesis of *cheese* **flavor**. 022725
Novel **caseinate**—effects natural functional properties for **imitation** *cheese*. 022730
The present cheese situation and international activity for **increasing** *cheese* production in developing countries [Prospects, programs and economic aspects]. 021632
Is the powdered skimmed milk problem a threat for the *cheese* **industry**? [Marketing]. 021524
The **present** *cheese* situation and international activity for increasing cheese production in developing countries [Prospects, programs and economic aspects]. 021632
Partially delactosed whey used as NFDM [nonfat dry milk] replacement in **process** *cheese* food offers economic advantages. 022731
Cheddar cheese made with bovine pepsin. I. Yield and **quality** of *cheese*. 022755
Free fatty acids and products of their transformations in **rennet** *cheeses*. 022795
Xanthan gum galactomannan system improves functionality of *cheese* **spreads**. 022732
Comparative evaluation of three media used for detection of **staphylococci** in *cheese*. 021751
Influence exercised by [the yeast] Saccharomyces oviformis during maturation of **Teleme** *cheese*. 022801
Characteristics of Norwegian **whey** *"cheese"*. 022733
Microbial quality of *cheese* **whey** samples from various factories in southern Ontario [Feed contamination, water pollution]. 023376

Many general terms have been deleted from the control vocabulary since 1975, and work has just been finished on a more complete list of specific terms. *Agricultural Terms*, the second edition of the *Thesaurus of Agricultural Terms*, reflects all the changes made in the control vocabulary through December 1977. This second edition is now available.

The last item of each entry in the Subject Index is the six-digit *Bibliography of Agriculture* Identification Number. Use this number to locate the complete main entry citation in the monthly issues.

AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, microfilm or xero-

graphic copies of documents may be purchased from the Photoduplication Service of the National Agricultural Library, U. S. Department of Agriculture, Beltsville, Maryland 20705. Such requests must include the complete citation as well as the Library's call number or, for agricultural economics items not cataloged by the National Agricultural Library, the identification number in the call number position.

Charges are:

Microfilm:	$1.00 for each 30 pages or fraction copied from a single article or book. (Subject to increase.)
Xerographic Copy:	$2.00 for each 10 pages or fraction copied from a single article or book. (Subject to increase.)

Payment must accompany the order. Library coupons, check, or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Library coupons, valued at $1.00 each, may be purchased in any quantity from the Library's Photoduplication Service. Users with heavy or continuous volume may request monthly billings.
Additional information on NAL's photoduplication services is available from Chief, Lending Division, National Agricultural Library, Beltsville, Maryland 20705.

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

Environ Child Health
Environ Comment
Environ Entomol
Environ Monit Ser
Environ Pollut
Enzyme
Equine Vet J
Ernahr Umsch
ESS Ohio State Univ Dep Agric Econ Rural Sociol
Eur J Biochem
Evolution
Exp Cell Res
Exp Mol Pathol
Experientia
Ext Bull Agric Ext Serv Univ Minn
Ext Bull Mich State Univ Coop Ext Serv
Ext Bull Oreg State Univ Ext Serv
Ext Circ Oreg State Univ Ext Serv
Ext Serv Rev Coop Ext Serv
F. O. Licht's Int Sugar Rep
Fam Health
Fam Living Top T Okla State Univ Coop Ext Serv
Farm Build News
Farm Chem
Farm Econ (Pa State Univ)
Farmers Bull U S Dep Agric
Farming Bus
Fauna SSSR Ptukoobraznye
FDA Consumer
FEBS Lett (Fed Eur Biochem Soc)
Feedlot Manage
Feedstuffs
Fert News
Field Notes U S For Serv
Fla Cattlem Livest J
Fla Grower & Rancher
Fleischwirtschaft
Flora N S W
Flore Illus Champignons Afr Cent
Florists Rev
Flower Nursery Rep Commer Grow Coop Ext Univ Calif
Flussiges Obst
Folia For
Food and Nutr News
Food Cosmet Toxicol
Food Eng
Food Farming Agric
Food Nutr (Rome)
Food Serv Mark
Food Technol
Food Technol Aust
For Chron
For Ecol Manage
For Insect Dis Leafl U S Dep Agric For Serv
For Notes
For Prod J
For Serv Gen Tech Rep SO U S South For Exp Stn
For Serv Tech Rep SO U S South For Exp Stn
Forecast Home Econ
Foreign Agric Circ Coffee FCOF U S Foreign Agric Serv
Foreign Agric Circ FDP U S Foreign Agric Serv
Foreign Agric Circ FOP U S Foreign Agric Serv
Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv
Foreign Agric Circ Livest Meat FLM MT U S Foreign Agric Serv
Foreign Agric Circ Table Olives FOL U S Foreing Agric Serv
Foreign Agric Circ Tob FT U S Foreign Agric Serv
Foreign Agric Circ Veg Fibers FVF U S Foreign Agric Serv
Foreign Agric U S Foreign Agric Serv
Forschungsber Forstl Forschungsanst Munchen
Forsk Prakt
Forstarchiv
Forsttech Inf
Fr Agric
Frugtavleren
Fruits & Abeilles
FWS/OBS U S Fish Wildl Serv Off Biol Serv
Ga Vet
Gac Vet
Garden
Gart Kleintierzucht, C Imker
Gaz Apic
Gazdalkodas
GC HTJ
Gen & Comp Endocrinol
Genet Res
Genetica
Genetika
Geochim Cosmochim Acta
Geoderma
Geomorfologiia
Geophytology
Gestencild Versl Lab Tuinbouwplantenteelt Landbouwhogesch (Wageningen)
Gesunde Pflanz
Getreide Mehl Brot
Gidroliz Lesokhim Prom-st'
Gidrotekh Melior
Giessen Geogr Schr
Glean Bee Cult
Good Gard
Great Basin Nat
Grounds Maint
Growth
Grune
H R MacMacmillan Lect For Univ B C
Health Educ
Helgolander Wiss Meeresunters Mar Invest
Hereditas
Heredity
Hidrol Kozl
Hist Med Vet
Histochem J
Histochemistry
Hoards Dairym
Holz Kunststoffverarbeitung
Home Gard Bull U S Dep Agric
Hoppe Seylers Z Physiol Chem
Horm & Behav
Hortic Ind
Hortsci
Hospitals
Houil Blanc
Hua Hsueh T'ung Pao (Hauxue Tongbao)
Hutoipar
IARC Monogr Eval Carcinog Risk Chem Man (Int Agency Res Cancer)
Iheringia Zool
Ikon Misul
Im Blickfeld
Imkerfreund
Immunology
Impact
In A Conference on Capturing the Sun Through Bioconversion; Proceedings
In Alimentation et Travail; International Symposium
In Biological and Biomedical Applications of Isoelectric Focusing. N. Catsimpoolas & J. Drysdale, eds.
In Biophysikalische Analyse Pflanzlicher Systeme. K. Unger, Ed.
In Carbohydrates and Health. L. F. Hood, E. K. Wardrip & G. N. Bollenback, eds.
In Cell Genetics in Higher Plants. D. Dudits, G. L. Farkas & P. Maliga, eds.
In Crop Protection Agents—Their Biological Evaluation: Proc Of The Int Conf On The Eval of Biol Act
In Dietary Fibre; Proceedings of the Miles Symposium
In FAI-FAO Seminar on Strategy for Stimulating Fertiliser Consumption; Proceedings
In Farm Water Management for Rice Cultivation; a Symposium
In Function and Formation of Neural Systems; Report of the Dahlem Workshop
In Kompleksnoe razvitie sel'skokhoziaistvennykh predpriiatii. I. S. Gavrilov, ed.
In Landbau heute: Nahrung mit Gift
In Lead in the Environment. W. R. Boggess & B. G. Wixson, eds.
In Mechanics and Energetics of Animal Locomotion. R. M. Alexander & G. Goldspink, eds.
In Modification of Wood. T. A. Darzinsh, ed.
In MOIRA: Food and Agriculture Model; Proc IIASA (Int Inst Appl Syst Anal) Symp Global Model
In Okologischer Landbau-Eine Europaische Aufgabe: Agrarpolitik und Umweltprobleme
In Pollination of Agricultural Crops by Bees. A. N. Mel'nichenko, ed.
In Proceedings of the Conference on Artificial Insemination Of Beef Cattle
In Proceedings of the International Congress of the International Union for the Study of Social Insects
In Renewable Resources For Plastics Growth And Change In Adhesives And Chemical Requirements Of The Tobacco Industry
In Selected Abaca Research
In Soil Organic Matter Studies; Proceedings of a Symposium
In Vitro J Tissue Cult Assoc
In Zavlaha sadov a vinohradov
Ind Aliment
Ind Aliment Agric
Ind Saccarif Ital
Index Cat Med Vet Zool Spec Publ
Indian Cof
Indian J Agric Sci
Indian J Dairy Sci
Indian J Exp Biol
Indian J Mar Sci
Indian J Nutr Diet
Indian J Pharm
Indian J Plant Physiol
Indian Poult Rev
Indian Sugar
Inf Chil Nitrate Agric Serv Nitrate Corp Chil Ltd
Inf Rep FMR-X For Manage Inst Ottawa
Inf Rep VP-X West For Prod Lab Vancouver
Inf Sheet Coop Ext Serv Miss State Univ
Inf Sheet Miss Agric Exp Stn
Insect Biochem
Insect Pest Bull N S W Dep Agric Entomol Branch
Institute Ideas
Instit/vol Feeding
Int Arch Allergy Appl Immunol
Int Biodeterior Bull
Int Forum Inf Doc
Int J Biochem
Int J Nucl Med & Biol
Int J Obesity
Inten Agric
IPMU Res Pap Queensl Univ Integr Pest Manage Unit
Ir For
Ir Vet J
Irish Nat J
IRRI Res Pap Ser Int Rice Res Inst
ITC J (Int Inst Aerial Surv Earth Sci)
J Agric Eng Res
J Agric (Melb)
J Agric Res China
J Agric Sci (Camb)
J Allied Health
J Am Chem Soc
J Am Diet Assoc
J Am Inst of Hypnosis
J Am Oil Chem Soc
J Am Soc Hortic Sci
J Am Vet Med Assoc
J Amer Med Assoc
J Anat
J Apic Res
J Appl Bacteriol
J Appl Meteorol
J Appl Polym Sci
J Arboric
J Assoc Off Anal Chem
J Bacteriol
J Can Diet Assoc
J Cell Biol
J Cell Physiol
J Chem Res Part S Synop
J Chem Soc, Perkin Trans 1
J Chromatogr Sci
J Coat Technol
J Comp Physiol
J Dairy Sci
J Endocrinol
J Environ Educ
J Environ Manage
J Equine Med Surg
J Exp Bot
J Exp Mar Biol Ecol
J Food Protection
J Food Qual
J Food Sci
J Food Technol
J For
J Gen Appl Microbiol
J Gen Microbiol
J Gen Physiol
J Home Econ
J Hortic Sci
J Hydrol
J Hyg
J Immunol Methods
J Indian Soc Soil Sci
J Infect Dis
J Inst Wood Sci
J Jap Vet Med Assoc
J Math Biol
J Mol Biol
J Morphol
J Nat Hist
J Nematol
J Org Chem
J Physiol (Paris)
J Proc R Soc N S W
J Radiat Res
J Reprod Fertil
J S Afr Bot
J Sch Health
J Sci Agric Soc Finl
J Small Anim Pract
J Soc Dairy Technol
J Soil Conserv Serv N S W
J Text Inst
J Toxicol Environ Health
J Turk Phytopathol
J Virol
J Water Pollut Control Fed
J Zoo Anim Med
Jap J Genet
Jordbruksekon Medd
Journal of Human Nutrition
Justus Liebigs Ann Chem
K Skogs och Lantbruksakademiens Tidskr
Kenya Cof
Khidrobiologiia
Khim Sel'sk Khoz
Khranit Prom-st
Kistenyesztok Lapja
Konservn Ovoshchesushil Prom-st'
Kraftfutter
Ky Agri-Bus Q
L Nev Univ Coop Ext Serv
La Revue Desjardins
Lab Anim
L'Action Vet
Lalahan Zootek Arastirma Enst Derg
Lancet
Land Issues Probl Va Polytech Inst State Univ Coop Ext Serv
Landbauforsch Volkenrode
Landwirtsch-Angew Wiss Bundesminist Ernahr Landwirtsch Forsten Ger (Fed Repub)
Lantbrukshogsk Medd, Ser A
Laporan Rep Lembaga Penelitian Hasil Hutan
Le Cooperateur Agricole
Leafl L Okla State Univ Coop Ext
Leafl North Irel Advis Serv Dep Agric
Leafl Pa State Univ Ext Serv
Leafl U S Dep Agric
Leben Erde
L'Hortic Fr
Light Gard
Lindbergia
Livest Advis
Livest Farming
Livest Prod Day La Agric Exp Stn
LSU For Notes
Maelkeritidende
Magy Allatvilaga
Mar Biol
Mark Res Rep U S Dep Agric
Maslozhir Prom-st'
Mazingira (Engl Ed)
Meat Sci
Med World News
Medd Jordbrukstek Inst
Medd Statens Planteavisforsog Den
Meded Landbouw-Econ Inst
Meded Landbouwhogesch Wageningen
Meded Rijksuniv Fac Landbouwwet
Meieriposten
Mek Sil's'k Hospod
Mem Lyman Entomol Mus Res Lab
Mercure, Alex (Addresses, Statements, Etc.)
Metab Clin Exp
Mezhdunar S-kh Zh
Mezogazd Tech
Mezogazd Vilagirodalom
Miasn Ind SSSR
Mich Farm Econ
Microbiology
Microsc Acta
Microwave Energy Appl Newsl
Mikrobiologiia
Mikroelem Zhivotnovod Rastenievod Akad Nauk Kirg SSR
Mikroskopie
Milk Ind
Mimeogr Ser Univ Arkansas Agric Exp Stn
Minn For Res Notes
Minn Hortic
Misc Publ Entomol Soc Am
Misc Publ Hawaii Univ Coop Ext Serv
Misc Publ U S Dep Agric
Mitt Biol Bundesanst Land Forstwirtsch (Berlin-Dahlem)
Mitt Bot Staatssamml Munch
Mol Gen Genet (MGG)
Mosc Univ Soil Sci Bull
Mosq News
MP Nebr Agric Exp Stn
MP Tex Agric Exp Stn
Mukomol'no Elevat Kombikormovaia Prom-st'
Mutat Res
N Z Agric Sci
N Z Dairy Board Rev
N Z J Agric
N Z J For Sci
N Z J Sci
NACUBO Studies Manage
Nakuru
Nar Sumar
Nat & Resour
Nat Can
Natl Food Rev
Natural Life Magazine
Naturalist (Leeds)
Nature
Nauchn Tr Sev Zapadn Nauchno issled Inst Sel'sk Khoz
Nauka Pol
Neue Bienenzucht
Neue Brehm Bucherei
New Engl J Med
New Outlook
New Phytol
New Sci (London)
Nor Pelsdyrbl
Nor Skogind
North Cent Reg Res Publ
Not Neosan
Notes R Bot Gard Edinb
Nouv Avic
Nowe Roln
NSDB Technol J
Nutr & MD
Nutr Action
Nutr Metab
Nutr Rep Int
Nutr Rev
Nutr Today
Obesity/bariatric Med
Oecol Plant
Oecologia
Oikos
Ontario Credit Union News
Opera Bot
Orchid Dig
Oreg Agric Prog
Org Gard Farming
Outstate Test Circ Nebr Agric Exp Stn
Ovochivnytstvo & Bashtannytstvo
PA U S Dep Agric
Pac Sci
Pag Bull
PANS Pest Artic News Summ
Pap Puu
Papier
Parfums Cosmet Aromes
PB U S Natl Tech Inf Serv
Peanut Farmer
Peanut J Nut World
Pecan South
Pediatrics
Pest Control
Pestic Biochem Physiol
Philipp J Coconut Stud
Photochem Photobiol
Photosynthetica
Physiol Chem Phys
Physiol Plant Pathol
Physiol Veg
Phytochemistry
Phytocoenologia
Phytologia
Phytopathology
Phytophylactica
Plant Cell Physiol
Plant Ind News
Plant Physiol
Plant Sci Lett
Planta
Plasticulture
PM Iowa State Univ Sci Technol Ames Coop Ext Serv
Pollen Spores
Polymer
Pomme Terre Fr

Pork Ind Handb PIH
Potato Grow
Poult Advis
Poult Ind
Power Farming Mag
Pr Publ Poznan Tow Przyj Nauk Wydz Mat Przyr Kom Biol
Prakt Lantbruk
Prep Biochem
Prikl Biokhim Mikrobiol
Priroda (Mosk)
Priroda (Sofiia)
Proc Am Peanut Res Educ Assoc
Proc Ill Turfgrass Conf
Proc Iowa Acad Sci
Proc Natl Sci Counc
Proc Nutr Soc
Proc R Soc Lond, B Biol Sci
Proc Soc Exp Biol Med
Proc South Pasture Forage Crop Imp Conf
Proc Workshop Fire Blight Res
Process Biochem
Prod Agric Fr
Prof Nutr
Prof Nutritionist
Prof Pap U S Geol Surv
Prog Rep Idaho Agric Exp Stn
Protoplasma
Psyche
Publ Can Dep Agric
Publ Coop Ext Programs Univ Wis Ext
Publ Eur Assoc Anim Prod
Publ Jt Agric Res Dev Proj
Publ Miss State Univ Coop Ext Serv
Publ Nat Hist Res Cent Baghdad
Publ 2 Landbouw-Econ Inst Afd Structuuronderz
Publ 3 Landbouw-Econ Inst Afd Bedr Onderz Landbouw
Publ 4 Landbouw-Econ Inst Afd Tuinbouw
Publ 5 Landbouw-Econ Inst Afd Viss Bosbouw
Pulp & Pap Can
Pulp Pap
Q J R Meteorol Soc
Q J Taiwan Mus
Queensl Agric J
R Nev Agric Exp Stn
R T I A (Rev Tech Econ Ind Aliment)
Radiobiologiia
Rapp Annu Inst Sci Agron Burundi
Rapp Proefstn Rundveehouderij
Rapp Sven Inst Konserveringsforsk
Rec Aust Mus
Recl Med Vet
Redog Forskningsstiftelsen Skogsarbeten
Rep Ser Arkansas Agric Exp Stn
Rep Taiwan Sugar Res Inst
Res Bull For Res Lab Sch For Oreg State Univ
Res Div Bull Va Polytech Inst State Univ
Res Life Sci
Res Norw Agric
Res Note INT U S Dep Agric For Serv Intermt For Range Exp Stn
Res Notes B C For Serv
Res Rep Ga Exp Stn
Res Rep Hawaii Agric Exp Stn
Res Rep Mich State Univ Agric Exp Stn
Res Rep MRC Tex Agric Mark Res Dev Cent
Resour Bull PNW USDA For Serv Pac Northwest For Range Exp Stn (U S Dep Agric)
Respir Physiol
Rev Agric (Brux)
Rev Conserve Aliment Mod
Rev Cytol Biol Veg
Rev Ecol Biol Sol
Rev Elev Med Vet Pays Trop
Rev Fr Apic
Rev Fr Corps Gras
Rev Gen Bot
Rev Med Vet (Toulouse)
Rev Nutr Anim
Rev Palaeobot Palynol
Rev Pol Acad Sci
Rev Suisse Vitic Arboric Hortic
Rev Suisse Zool
Rev Vin Fr
Rev Zool Afr
Revue du Ciriec. Ciriec Review
Rhodora
Rice J
Riv Econ Agrar
Rozpr Nauk Akad Roln Warszaw
Rubber J
S Afr J Dairy Technol
S Afr J Sci
S Afr Sugar Yearb
Sakh Prom-st'
Sante Abeille
Scand J Immunol
Sch Foodservice Res Rev
Schriftenr Agrarwiss Fachbereichs Univ Kiel
Schriftenr Forstl Fak Univ Gottingen
Schriftenr Land Sozialfragen Agrarsoz Ges
Schweiz Bienen-Zeitung
Sci Am
Sci Biol J
Sci Pap Coll Gen Educ
Science
Search Agric
Sel Semenovod (Mosk)
Sel'sk Khoz Mold
Selskostop Nauka
Short Term Leafl Minist Agric Fish Food (Middlesex)
Sluzba Rolna
Soil Sci Plant Nutr
Solid Wastes
Soobshch Akad Nauk Gruz SSR
Soul Tachakkyo Nonghak Yonku Coll Agric Bull
Southeast Asian J Trop Med Public Health
Southwest Vet
Sov Torg
Soybean Dig
Staff Welfare Caterer
Stat Bull U S Dep Agric
State Vet J
Stn Bull Agric Exp Stn Univ Minn
Stud For Suec
Stud Inf, Zakl Vedy Zemed
Stuttg Ber Siedlungswasserwirtsch
Succulenta
Sudan J Food Sci Technol
Sugar Azucar
Sugarbeet Grow
Sven Frotidn
Sven Papperstidn
Swed J Agric Res
Sydowia
Symb Bot Upsal
TAG (Theor Appl Genet)
T'ai Wan Nung Yeh Chi K'an
Tappi (Tech Assoc Pulp Paper Ind)
Taxon
Teacher
Tec Molit
Tech Bull Miss Agric For Exp Stn
Tech Bull West Aust Dep Agric
Tech Commun Dep Agric Tech Serv (Pretoria)
Tech Rep Winchmore Irrig Res Stn
Tejipar
Teleflora Spirit
Termeszettud Kozl
Tetrahedron
Tetrahedron Lett
Text Chem Color
Text Res J
Textilia
The Atlantic Co-operator
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Zemes Ukis
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Cooking for one in the senior years [Nutrition, aging]. Oregon State University Extension Service *Ext Bull Oreg State Univ Ext Serv* 828, Rev., 10 P. Jan 1978

Ext Circ Oreg State Univ Ext Serv

275.29 OR32C
Catching crayfish for fun and profit. DeCalesta, D S; Oregon State University Extension Service *Ext Circ Oreg State Univ Ext Serv* 939, 4 P. Jan 1978

275.29 OR32C
Commercial greenhouse vegetable production. Mansour, N S; Oregon State University Extension Service *Ext Circ Oreg State Univ Ext Serv* 936, 7 P. Nov 1977

275.29 OR32C
Facts about mixers—in hand or on stand [Kitchen appliances]. Weber, J M; Oregon State University Extension Service *Ext Circ Oreg State Univ Ext Serv* 2 P. Sept 1977

275.29 OR32C
Forage quality: What it is and why it is important. Vough, L; Oregon State University Extension Service *Ext Circ Oreg State Univ Ext Serv* 943, 4 P. Jan 1978

275.29 OR32C
Forage quality: What to look for in evaluating hay. Vough, L; Oregon State University Extension Service *Ext Circ Oreg State Univ Ext Serv* 942, 4 P. Jan 1978

275.29 OR32C
Growing tree fruits and nuts in the home orchard. Stebbins, R L; Oregon State University Extension Service *Ext Circ Oreg State Univ Ext Serv* 819 Rev., 11 P. Maps. Jan 1978

275.29 OR32C
Hems [Clothing construction]. Koester, A W; Oregon State University Extension Service *Ext Circ Oreg State Univ Ext Serv* 933, 8 P. Aug 1977

275.29 OR32C
Zippers—centered and lapped applications [Clothing construction]. Koester, A W; Oregon State University Extension Service *Ext Circ Oreg State Univ Ext Serv* 940, 8 P. Jan 1978

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TX1.O5
A family fire escape plan [Safety]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4401, 2 P. Oct 1970

TX1.O5
Accessories: added touches that make the difference [Clothing]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1203, 4 P. Feb 1977

TX1.O5
Accomplishment [Child development]. Cunningham, T S; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 2307, 4 P. Dec 1975

TX1.O5
An efficiency checkup for you [Family goals]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4304, 2 P. Aug 1970

TX1.O5
Auto insurance. Suggestions for lesson leader [Family finances]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4110, 2 P. Mar 1975

TX1.O5
Automobile insurance [Family finances]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4110, 4 P. Oct 1974

TX1.O5
Autonomy: learning to do [Child development]. Cunningham, T S; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 2302, 4 P. Aug 1975

TX1.O5
Bonded fabrics [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1708, 2 P. May 1972

TX1.O5
Bound buttonholes—one-piece method [Sewing]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1305, 4 P. July 1976

TX1.O5
Carbohydrates-fats [in the diet]. Sowers, M F; Petermann, R; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3117, 2 P. Jan 1975

TX1.O5
Cardboard or plywood table. Combs, W R; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 6402, 2 P. Jan 1972

TX1.O5
Cars—a way of life [Family finances]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4108, 4 P. Oct 1974

TX1.O5
Children's shoes. Sadler, M L; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1209, 4 P. Jan 1976

TX1.O5
Clothing flammability: a consumer concern. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1208, 4 P. Ref. Dec 1975

TX1.O5
Complain? Complain! [Consumer problems]. Blackwell, D G; Armstrong, J; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4104, 2 P. June 1975

TX1.O5
Concern about fats in the diet [Coronary heart disease, atherosclerosis]. Tate, D; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3106, 4 P. Sept 1973

TX1.O5
Constructive use of leisure time [Family life]. Cunningham, T S; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 2102, 4 P. Sept 1973

TX1.O5
Consumer credit: tool or trap? [Family finances]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4105, 4 P. Oct 1974

TX1.O5
Cost of raising a child. Blackwell, D G; Durham, C B; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4107, 4 P. Oct 1974

TX1.O5
Creative art can put personality into your home [Interior decoration]. Nickel, B; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 7102, 4 P. Sept 1974

TX1.O5
Dietetic jams and jellies [Recipes]. Sneed, P J; Yadrick, K; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3401, 4 P. Dec 1976

TX1.O5
Doing the family wash. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4502, 4 P. May 1971

TX1.O5
Drapery construction: shortcuts with the sewing machine. Nickel, B C; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 7801, 6 P. Sept 1976

TX1.O5
Dressing for motherhood [Maternity clothing]. Sadler, M L; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1207, 4 P. Nov 1974

TX1.O5
Dressing the women in the family [Clothing]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1204A, 4 P. Dec 1977

TX1.O5
Dressng the women in the family [Clothing]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1204, 4 P. Feb 1974

TX1.O5
Drycleaning for clothing care. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1403, 4 P. Feb 1973

TX1.O5
Drying and folding tips [Linens, laundry]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4501, 4 P. July 1971

TX1.O5
Drying your own fruits and vegetables. Yadrick, M K; Sowers, M F; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3403, Rev., 4 P. Aug 1977

TX1.O5
Easier pressing methods [Clothing]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1401, 4 P. Dec 1974

TX1.O5
Eating in later years [Aging]. Tate, D; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3105, 4 P. Ref. Sept 1973

TX1.O5
Exploring [styling] techniques for children's clothing. Sadler, M L; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1206, 4 P. Oct 1974

TX1.O5
Fabric for children's wear [Clothing]. Sadler, M L; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1326, 4 P. Nov 1974

TX1.O5
Fake fur all sewn up [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1328, 4 P. Aug 1976

TX1.O5
Falls in the home [Safety]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4407, 4 P. Sept 1973

TX1.O5
Fasteners for the clothes we wear [Sewing]. Sadler, M L; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1320, Rev., 4 P. July 1977

TX1.O5
Feeding a crowd? Do it safely [Food spoilage]. Sneed, P J; Sowers, M F; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3501, 4 P. Nov 1976

TX1.O5
Feeding problems [Children]. Sowers, M F; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3113, 4 P. Oct 1974

TX1.O5
Feeding your child: ages one to three. Sowers, M F; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3111, 4 P. Oct 1974

TX1.O5
Feeding your child: ages four to six. Sowers, M F; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3112, 4 P. Oct 1974

TX1.O5
Fire detection in the home [Safety, smoke detectors]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4410, 2 P. Feb 1977

TX1.O5
Fire detection in the home. Suggestions for lesson leader [Safety]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4410B, 3 P. Mar 1977

TX1.O5
Fitting children's clothes. Sadler, M L; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1321, 2 P. Sept 1976

TX1.O5
Foam laminated fabrics [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1707, 2 P. Jan 1976

TX1.O5
Food additives [Regulations]. Yadrick, M K; Nelson, M; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3608, 3 P. July 1977

TX1.O5
Food poisoning. Sowers, M F; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3405, 4 P. Jan 1976

TX1.O5
Formulas and infant feeding. Sneed, P J; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3308, 4 P. Jan 1977

TX1.O5
Freezing prepared foods. Yadrick, M K; Sowers, M F; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3402, 4 P. Sept 1977

TX1.O5
Getting your news into print. Shipman, J A; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 8101, 4 P. Jan 1976

TX1.O5
Girdles and how to make them [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1306, 2 P. Oct 1973

TX1.O5
Health insurance [Family finances]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4109, 4 P. Oct 1974

TX1.O5
Health insurance. Information for program chairman [Family finances]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4109A, 3 P. Oct 1974

TX1.O5
Heredity [Family life]. Cunningham, T S; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 2306, 4 P. Aug 1975

TX1.O5
Home business centers. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4303, 4 P. May 1971

TX1.O5
Home fire safety. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4409, 4 P. Jan 1977

TX1.O5
Home fire safety. Suggestions for lesson leader. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4409B, 8 P. Apr 1977

TX1.O5
Home fire safety. Suggestions for 4-H club programs. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4409A, 12 P. Mar 1977

TX1.O5
How children feel about clothes. Sadler, M L; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1102, 4 P. Oct 1974

TX1.O5
How to make cheese. Sowers, M F; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3310, 4 P. Oct 1974

TX1.O5
How to stitch sheer fabrics [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1705, 4 P. Sept 1973

TX1.O5
Inflation [Family finances, cost of living]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4112, 4 P. Jan 1975

TX1.O5
Initiative, or the child and his imagination [Child development]. Cunningham, T S; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 2303, 4 P. Feb 1975

TX1.O5
Is home canning safe? [Spoilage]. Yadrick, K; Sowers, M F; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3404, 4 P. July 1977

TX1.O5
It's about time [Management of time, family life]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4301, 4 P. Aug 1977

TX1.O5
Kitchen safety. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4406, 4 P. July 1972

TX1.O5
Lady beware—at home [Safety, locks]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4403, 4 P. Mar 1974

TX1.O5
Lady beware—in the car. Information for program chairman [Safety]. Blackwell, D G; Porter, S; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4405A, 5 P. Apr 1973

TX1.O5
Lady beware—in the car [Safety]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4405, 2 P. Mar 1974

TX1.O5
Lady beware—on the street [Safety]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4404, 2 P. Mar 1974

TX1.O5
Lady beware—on the street. Information for program chairman [Safety]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4404A, 3 P. Apr 1973

TX1.O5
Leaks in spending. Suggestions for program leader [Family finances]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4103.1, 13 P. Dec 1971

TX1.O5
Leaks in spending [Family finances]. Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4103.1A, 16 P. 1971?

TX1.O5
Leaks in spending [Family finances]. Blackwell, D G; Lamison, M F; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4103, 4 P. June 1976

TX1.O5
Leaks in spending. Suggestions for program leader [Family finances]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4103.2, 4 P. 1971?

TX1.O5
Leather-like fabrics [Sewing]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1704, 2 P. Aug 1970

TX1.O5
Living with less [Inflation, family finances]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4113, 4 P. Aug 1977

TX1.O5
Make your own end table. Lewis, P; Combs, W R; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 7201, 1 P. June 1976

TX1.O5
Make your own mattress [Sewing]. Combs, W R; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 6401, 4 P. Jan 1971

TX1.O5
Making a bathing suit [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1303, 4 P. Dec 1973

TX1.O5
Making a pleated skirt [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1330, 4 P. Sept 1977

TX1.O5
Making a tailored notch collar [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1318, 2 P. July 1973

TX1.O5
Making bound buttonholes by the two strip method [Sewing]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1310, 4 P. Sept 1971

TX1.O5
Making brassieres [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1309, 4 P. July 1971

TX1.O5
Making the bias waistband and the fitted waistband [for skirts and pants, clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1305, l.e. 1304, 2 P. Apr 1971

TX1.O5
Making your own baby food. Sowers, M F; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3309, 4 P. Oct 1974

TX1.O5
Meaty rules for cutting meat costs [Food preparation]. Sowers, M F; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3607, 4 P. Feb 1974

TX1.O5
Minerals and the body. Sowers, M R; Petermann, R; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3119, 2 P. Jan 1975

TX1.O5
Misbehavior [Child development]. Cunningham, T S; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 2308, 4 P. Apr 1976

TX1.O5
New clothes from old. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1332, 4 P. July 1976

TX1.O5
One-dish meals [Recipes]. Yadrick, M K; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3312, 4 P. Apr 1977

TX1.O5
Parenting alone [Family life]. Cunningham, T S; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 2201, 2 P. Aug 1975

TX1.O5
Pockets in men's double knit pants [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1313, 2 P. Dec 1973

TX1.O5
Poisons in the home. Suggestions for 4-H club programs [Home safety]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4408, 18 P. Oct 1975

TX1.O5
Poisons in the home. Suggestions for lesson leader [Home safety]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4408A, 11 P. Sept 1975

TX1.O5
Poisons in the home [Safety]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4408B, 4 P. Aug 1977

TX1.O5
Pregnancy and nutrition. Sowers, M F; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3110, 4 P. Oct 1974

TX1.O5
Pressing equipment [Clothing care]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1706, l.e. 1404, 4 P. Sept 1970

TX1.O5
Property & personal liability [insurance, family finances]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4111, 4 P. Oct 1974

TX1.O5
Protein [in the diet]. Sowers, M F; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3116, 2 P. Jan 1975

TX1.O5
Questions and answers about diabetes mellitus [Therapeutic nutrition]. Tate, D; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3104, 2 P. Sept 1973

TX1.O5
Questions and answers about diabetic diets [Diabetes]. Tate, D E; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3107, 4 P. Nov 1973

TX1.O5
Quick bound buttonhole method [Sewing]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1301, 2 P. Dec 1973

TX1.O5
Quick easy trims for knits [Sewing]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1314, 4 P. July 1977

TX1.O5
Quick methods for home sewing. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1329, 4 P. Apr 1977

TX1.O5
Quick tailoring for men's knit jackets [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1319, Rev., 2 P. Jan 1974

TX1.O5
Quick zipper placket application for men's knit pants [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1312, 2 P. Jan 1974

TX1.O5
Relining coats. 2. Attaching a lining—machine method [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1324, 4 P. Oct 1974

TX1.O5
Relining coats. 1. Preparing a pattern [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1323, 4 P. Oct 1974

TX1.O5
Reserve or emergency fund [Family finances]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4202, 4 P. Dec 1973

TX1.O5
Safe [Christmas] holidays are happy holidays. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4402, 2 P. July 1976

TX1.O5
Saving at sales [Family finances]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4102, 2 P. May 1975

TX1.O5
Script [for extension service insurance information presentation]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4111, 9 P. Nov 1974

TX1.O5
Secrets of human behavior. Cunningham, T S; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 2101, 4 P. May 1972

TX1.O5
Selecting furniture for your home. Nickel, B C; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 7202, 4 P. Sept 1974

TX1.O5
Selecting your favorite furniture style. Nickel, B C; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 7203, 4 P. Sept 1974

TX1.O5
Sewing knit fabrics [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1709, 4 P. Nov 1976

TX1.O5
Sewing lingerie in nylon tricot knits [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1302, 4 P. Dec 1973

TX1.O5
Sewing mohair fabrics [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1703, 2 P. Mar 1977

TX1.O5
Sewing napped fabric [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1706, 4 P. Nov 1974

TX1.O5
Sewing plaids & stripes [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1325, 4 P. Nov 1974

TX1.O5
Sewing today's fabrics. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1701, 4 P. Dec 1975

TX1.O5
Shaping the shoulders of tailored garments [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1315, Rev., 2 P. Jan 1974

TX1.O5
Sharpen your shopping skills. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4305, 4 P. Mar 1975

TX1.O5
Sharpening your buying skills in clothing. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1202, 2 P. July 1977

TX1.O5
Shopping for children's toys. Stratton, B; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 2309, 4 P. Sept 1977

TX1.O5
Should a wife work away from home? Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4203, 4 P. Oct 1974

TX1.O5
Soybeans and their products [Food value, recipes]. Sowers, M F; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3606, 4 P. Mar 1974

TX1.O5
Spotlight on cupboard storage. Yadrick, M K; Van Dyne, S; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3503, 4 P. Oct 1977

TX1.O5
Spotlight on refrigerator storage. Yadrick, M K; Shinabarger, A; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 3502, 4 P. Oct 1977

TX1.O5
Spots and stains [Laundry]. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4503, 4 P. Sept 1971

TX1.O5
Stitch a stylish bedspread [Sewing]. Nickel, B C; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 7401, 4 P. Sept 1974

TX1.O5
Stretch fabrics [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1702, 2 P. Aug 1970

TX1.O5
Stretching my food money at the store. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4201, 4 P. Aug 1977

TX1.O5
Suggestions for extension home economists on leaks in spending. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4301A, 3 P. Oct 1971

TX1.O5
Suggestions for extension home economists on home business centers. Blackwell, D G; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 4303A, 4 P. Aug 1970

TX1.O5
Tailoring double knits [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1308, 4 P. May 1972

TX1.O5
Tailoring knit pants for men [Clothing construction]. Baker, M Y; Oklahoma State University Cooperative Extension Service *Fam Living Top T Okla State Univ Coop Ext Serv* 1311, 4 P. July 1973

TX1.O5
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